



C950, X950de, X952de, X952dte, X954de, X954dhe

Technical Reference

November 2011

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Contents

- Edition notice.....2**
- Introduction.....5**
 - Understanding letters after model numbers.....5
- Learning about the printer.....7**
 - Finding information about the printer.....7
- Printer Control Language (PCL) page formatting.....9**
 - Printable areas.....9
 - Supported paper and envelope dimensions.....10
- Printer Job Language (PJM).....12**
 - PJM commands information.....12
- PostScript (PS) emulation.....13**
 - Supported paper sizes.....13
 - PostScript paper tray support.....14
 - PostScript envelope size support.....15
 - PostScript envelope tray support.....16
- Printer specifications.....18**
 - Airflow requirement.....18
 - Noise emission levels.....18
 - Electrical specifications.....19
 - Power requirements.....19
 - Physical specifications.....20
 - Clearance requirements.....20
 - Environmental conditions.....21
 - Altitude and atmospheric pressure specifications.....22
- Appendix A: PCL support.....23**
 - PCL emulation commands.....23
 - GL/2 commands.....28

Appendix B: PJI support.....	32
Common variables for both printer languages.....	32
Lexmark-unique PJI variables for both printer languages.....	34
Common variables for PCL emulation.....	43
Printer-unique variables for PCL emulation.....	44
Common variables for PostScript emulation.....	45
Printer-unique variables for PostScript emulation.....	45
Printer-unique LRESOURCE variables.....	45
Status Readback commands.....	45
USTATUS unsolicited status variables.....	46
PJI messages for auto-continuable conditions.....	46
PJI messages for attendance conditions.....	52
PJI messages for paper handling.....	67
PJI messages for paper jams.....	71
Service errors.....	77
Device attendance messages.....	77
Lexmark-unique PJI commands.....	77
File and device protection commands.....	78
Appendix C: PostScript support.....	79
Supplemental operators.....	79
Page device parameters.....	82
User interpreter parameters.....	86
System interpreter parameters.....	87
Devices supported.....	90
Device parameters.....	92
PostScript message keys commands.....	101
Index.....	102

Introduction

Overview

This edition of the *Technical Reference* contains information about the following printers or multifunction printers (MFPs):

- C950de
- X950de
- X952dte
- X952dte
- X954de
- X954dhe

Understanding letters after model numbers

Some Lexmark™ printers may have one or more letters after the model name to indicate printer features.

Acronym	Meaning
d	duplex ¹
de	duplex and e-Task (electronic task) touch-screen interface
dfe	duplex, finisher/stapler, and e-Task touch-screen interface
dhe	duplex, high-capacity drawer, and e-Task touch-screen interface
dhn	duplex, high-capacity drawer, and network
dme	duplex, mailbox, and e-Task touch-screen interface
dn	duplex and network
dnf	duplex, network, and finisher/stapler
dnw or dw	duplex, network, and wireless
dt	duplex and additional tray ²
dte	duplex, additional tray, and e-Task touch-screen interface
dtn	duplex, additional tray, and network
dttn	duplex, tandem tray module, and network
dtwe	duplex, additional tray, wireless, and e-Task touch-screen interface
e	e-Task touch-screen interface
hdn	hard disk, duplex, and network
n	network
nl	network light model

¹ Duplex printing (two-sided printing) using an optional duplex unit or an internal duplex unit based on the product.

² The additional tray is part of a drawer.


Acronym	Meaning
ni	network and ImageQuick
tn	network and additional tray

¹ Duplex printing (two-sided printing) using an optional duplex unit or an internal duplex unit based on the product.

² The additional tray is part of a drawer.

Learning about the printer

Finding information about the printer

What are you looking for?	Find it here
Initial setup instructions: <ul style="list-style-type: none"> • Connecting the printer • Installing the printer software 	Setup documentation—The setup documentation came with the printer and is also available on the Lexmark Web site at http://support.lexmark.com .
Additional setup and instructions for using the printer: <ul style="list-style-type: none"> • Selecting and storing paper and specialty media • Loading paper • Configuring printer settings • Viewing and printing documents and photos • Setting up and using the printer software • Configuring the printer on a network (depending on your printer model) • Caring for and maintaining the printer • Troubleshooting and solving problems 	<i>User's Guide</i> —The <i>User's Guide</i> is available on the <i>Software and Documentation CD</i> . For updates, check our Web site at http://support.lexmark.com .
Instructions for: <ul style="list-style-type: none"> • Installing the printer using Guided or Advanced wireless setup • Connecting the printer to an Ethernet or a wireless network • Troubleshooting printer connection problems 	<i>Networking Guide</i> —Open the <i>Software and Documentation CD</i> , and then look for <i>Printer and Software Documentation</i> under the Pubs folder. From the list of publications, click the Networking Guide link.
Help using the printer software	Windows or Mac Help—Open a printer software program or application, and then click Help . Click  to view context-sensitive information. Notes: <ul style="list-style-type: none"> • Help is automatically installed with the printer software. • The printer software is located in the printer program folder or on the desktop, depending on your operating system.

What are you looking for?	Find it here
<p>Latest supplemental information, updates, and customer support:</p> <ul style="list-style-type: none"> • Documentation • Driver downloads • Live chat support • E-mail support • Voice support 	<p>Lexmark Support Web site— http://support.lexmark.com</p> <p>Note: Select your country or region, and then select your product to view the appropriate support site.</p> <p>Support telephone numbers and hours of operation for your country or region can be found on the Support Web site or on the printed warranty that came with your printer.</p> <p>Record the following information (located on the store receipt and at the back of the printer), and have it ready when you contact customer support so that they may serve you faster:</p> <ul style="list-style-type: none"> • Machine Type number • Serial number • Date purchased • Store where purchased
<p>Warranty information</p>	<p>Warranty information varies by country or region:</p> <ul style="list-style-type: none"> • In the US—See the Statement of Limited Warranty included with this printer, or at http://support.lexmark.com. • In other countries and regions—See the printed warranty that came with your printer.

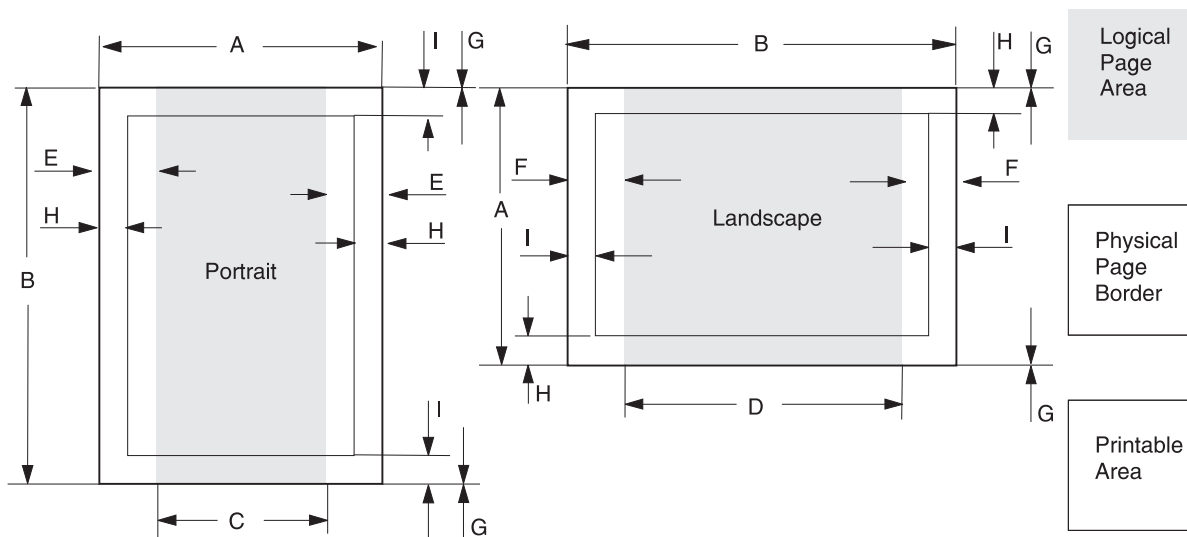
Printer Control Language (PCL) page formatting

For more information on PCL, see the *Printer Languages and Interfaces Technical Reference*. It contains a complete listing with descriptions of PCL commands.

To determine which PCL commands your printer supports, see “Appendix A: PCL support” on page 23.

Printable areas

The printable areas and logical pages for PCL emulation (both portrait and landscape orientation) are illustrated below. See the legend that follows for definitions of areas **A** through **I**.



Legend:

A	Portrait physical page width and landscape physical page length
B	Portrait physical page length and landscape physical page width
C	Portrait logical page width
D	Landscape logical page width
E	Distance between the side edge of the physical page and the logical page in portrait
F	Distance between the side edge of the physical page and the logical page in landscape
G	Distance between the top and bottom edge of the physical page and logical page
H	Distance between the left and right edge of the physical page and the printable area in portrait, or distance between the top and bottom edge of the physical page and printable area in landscape
I	Distance between the top and bottom edge of the physical page and the printable area in portrait, or distance between the left and right edge of the physical page and the printable area in landscape

Note: The tables that follow in this chapter list the page sizes and dimensions of each area labeled on the preceding diagram for all paper and envelope sizes your printer supports.

Supported paper and envelope dimensions

The following table lists the page sizes and print area dimensions for all supported paper and envelope sizes. For more information about the printable areas and logical pages for PCL emulation, see “Printable areas” on page 9.

Selection		Paper/envelope dimensions		Dimensions by area (pels) ¹								
Page size parameters ²	Name	mm	inches	A	B	C	D	E	F	G	H	I
Paper												
2, 602	Letter	216 x 279	8.5 x 11	5100	6600	4800	6360	150	120	0	100	100
3, 603	Legal	216 x 356	8.5 x 14	5100	8400	4800	8160	150	120	0	100	100
12, 45, 612	JIS B5	182 x 257	7.2 x 10.1	4300	6070	4000	5830	150	120	0	100	100
26, 626	A4 (198 mm) ³	210 x 297	8.3 x 11.7	4960	7014	4676	6778	142	118	0	80	100
26, 626	A4 (203 mm) ³	210 x 297	8.3 x 11.7	4960	7014	4800	6778	80	118	0	80	100
1, 601	Executive	184 x 267	7.5 x 10.5	4350	6300	4050	6060	150	120	0	100	100
13, 613	A5	148 x 210	5.8 x 8.27	3496	4960	3196	4720	142	118	0	100	100
300	Oficio (México)	216 x 340	8.5 x 13.4	5100	8040	4800	7800	150	120	0	100	100
46	JIS B4	257 x 364	10.12 x 14.33	6070	8600	5786	8364	142	118	0	100	100
27	A3	297 x 420	11.69 x 16.54	7014	9920	6730	9684	142	118	0	100	100
6 or 11	11 x 17	279.4 x 431.8	11.69 x 16.54	6600	1200	6300	9960	150	120	0	100	100
4 or 10	Folio	216 x 330	8.5 x 13	5100	7800	4800	7560	150	120	0	100	100
15	Statement	139.7 X 215.9	5.5 x 8.5	3300	5100	3000	4860	150	120	0	100	100
24	A6	148 x 105	5.8 x 4.1	2480	3496	2199	3260	142	118	0	100	100
101	Universal	297 x 431.8	11.69 x 17	1800–5100 ⁴	1800–8502 ⁴	1500–4800 ⁴	1500–8262 ⁴	150	120	0	100	100

¹ Pel dimensions are for 600 dpi.

² Page Size Parameters are explained in the Page Control table in the PCL chapter in the *Printer Language and Interfaces Technical Reference*.

³ The width of the logical page for A4 paper can be changed from the printer control panel or your application.

⁴ For the Universal paper size, the area dimensions are listed in pel ranges.

⁵ Paper ID 99 will be supported for backward compatibility with other Lexmark printers. Paper ID 99 has the same logical paper size as ID 100 (compatible with HP LaserJet 5Si/5SiMx) but is 8 pels wider than the Lexmark 4039.

Note: The explanation of the printable area assumes that the Print Area menu item is set to **Normal**. For more information, see “Print Area Menu Item” in the PCL chapter in the *Printer Language and Interfaces Technical Reference*.

Selection		Paper/envelope dimensions		Dimensions by area (pels) ¹								
Page size parameters ²	Name	mm	inches	A	B	C	D	E	F	G	H	I
Envelope												
80	7 3/4 Envelope	98.4 x 190.5	3.875 x 7.5	2324	4500	2024	4260	150	120	0	100	100
81	10 Envelope	104.8 x 241.3	4.125 x 9.5	2474	5700	2174	5460	150	120	0	100	100
90	DL Envelope	220 x 110	8.66 x 4.33	2598	5196	2314	4960	142	118	0	100	100
91	C5 Envelope	229 x 162	9.02 x 6.38	3826	5408	3542	5172	142	118	0	100	100
99 ⁵ , 100	B5 envelope	176.0 x 250.0	6.93 x 9.84	4156	5904	3872	5668	142	118	0	100	100
600	Other Envelope	216 x 356	8.5 x 14	7012	8400	4800	8160	150	120	0	100	100

¹ Pel dimensions are for 600 dpi.

² Page Size Parameters are explained in the Page Control table in the PCL chapter in the *Printer Language and Interfaces Technical Reference*.

³ The width of the logical page for A4 paper can be changed from the printer control panel or your application.

⁴ For the Universal paper size, the area dimensions are listed in pel ranges.

⁵ Paper ID 99 will be supported for backward compatibility with other Lexmark printers. Paper ID 99 has the same logical paper size as ID 100 (compatible with HP LaserJet 5Si/5SiMx) but is 8 pels wider than the Lexmark 4039.

Note: The explanation of the printable area assumes that the Print Area menu item is set to **Normal**. For more information, see "Print Area Menu Item" in the PCL chapter in the *Printer Language and Interfaces Technical Reference*.

Printer Job Language (PJM)

PJM commands information

Your printer supports complete PJM commands, including certain commands that cause the printer to enter PCL emulation, PostScript emulation, and Personal Printer Data Stream (PPDS).

For a complete listing with descriptions of PJM commands, see the *Printer Languages and Interfaces Technical Reference*.

To determine which commands your printer supports, see “Appendix B: PJM support” on page 32.

PostScript (PS) emulation

Your printer supports complete PostScript emulation supplemental operators. For full descriptions in detail for these operators, refer to the PostScript emulation chapter in the *Printer Languages and Interfaces Technical Reference*.

To determine which commands your printer supports, see “Appendix C: PostScript support” on page 79.

Supported paper sizes

✓ = Supported X = Not supported Paper sizes					Printer models	
Size	Literal name	Size (mm)	Size (inches)	Size (points)	C950	X950, X952, X954
Letter	letter	215.9 x 279.4	8.5 x 11.0	612 x 792	✓	✓
Legal	legal	215.9 x 355.6	8.5 x 14.0	612 x 1008	✓	✓
JIS B5	b5*	182.0 x 257.0	7.2 x 10.1	516 x 729	✓	✓
A4	a4	210.0 x 297.0	8.3 x 11.7	595 x 842	✓	✓
Executive	executivepage	184.2 x 266.7	7.25 x 10.5	522 x 756	✓	✓
A5	a5	148.0 x 210.0	5.83 x 8.27	419 x 595	✓	✓
Oficio	oficio	215.9 x 340.4	8.5 x 13.4	612 x 965 (Lexmark-unique size) 612 x 972 (official PostScript size)	✓	✓
JIS B4	b4*	257 x 364	10.12 x 14.33	729 x 1032	✓	✓
A3	a3	297 x 420	11.7 x 16.54	842 x 1191	✓	✓
11 x 17	11x17	279.4 x 431.8	11 x 17	792 x 1224	✓	✓
17 x 11	ledger	431.8 x 279.4	17 x 11	1224 x 792	✓	✓
Folio	folio	215.9 x 330.2	8.5 x 13.0	612 x 936	✓	✓
Statement	statement	139.7 x 215.9	5.5 x 8.5	396 x 612	✓	✓
A6	a6	105.0 x 148.0	4.13 x 5.83	297 x 419	✓	✓
Universal	universal	297 x 431.8	11.69 x 17	612 x 1008	✓	✓
Custom	custom	215.9 x 355.6	8.5 x 14.0	612 x 1020	X	X

* This is a Japanese Industry Standard (JIS) paper size. The same named designation is used by JIS and International Organization for Standardization (ISO) for different paper sizes.

✓ = Supported X = Not supported Paper sizes					Printer models	
Size	Literal name	Size (mm)	Size (inches)	Size (points)	C950	X950, X952, X954
Custom	custom	297 x 431.8	11.7 x 17	842 x 1224	✓	✓
Custom	custom	320 x 559	12.6 x 22	908 x 1584	X	X
Custom	custom	297 x 914	11.7 x 36	842 x 2592	X	X

* This is a Japanese Industry Standard (JIS) paper size. The same named designation is used by JIS and International Organization for Standardization (ISO) for different paper sizes.

PostScript paper tray support

When the printer receives one of the operators listed in “Tray selected with tray operators” on page 15, it performs the actions listed in this section. This paper tray selection process ends when a suitable paper source is chosen and paper is fed from this tray.

- The printer checks the value of **manualfeed** in **statusdict** and the ManualFeed page device parameter. If either one is true, then the printer sends a message to load the requested size in the manual feeder or multipurpose feeder.
- The PageSize Policy is set to **0** by means of **setpagedevice**.
- The printer checks the paper size loaded in the current active source to determine if it matches the requested size. If the sizes match, then the paper is fed from the active source.

Note: The current active tray is the last source that was selected from the printer control panel or by the printer language.

- If the requested size and the size loaded in the active source do not match, then the sources are searched in the order defined by the Priority array in the InputAttributes dictionary in the pagedevice dictionary.
- If the requested media size is not found by the previous search, then the following search order is used:
 - Tray 1
 - Tray 2
 - Tray 3
 - Multipurpose feeder
 - Tray 4
 - Tray 5
- If the requested size cannot be located in any automatic source, then a **configurationerror** is issued and the job is flushed.

For printers that support automatic duplexing:

- Automatic duplexing is not supported for custom-size paper or for envelopes in the multipurpose feeder. Automatic duplexing is supported from the multipurpose feeder for all other papers.
- If the paper source is changed before the back side of a duplexed page prints, then a blank back page prints, the paper source changes, and the information for the back side of the page is printed on the front side of a page sent from the new paper source.

When these operators are used, it is equivalent to executing the following PostScript emulation sequence:

```
<< /PageSize [x y]/ImagingBoundingBox null /Policies << /PageSize 0>> >>
setpagedevice
```

where x y are the PageSize in points.

Tray selected with tray operators

✓ = Supported X = Not supported		Printer models	
		C950	X950, X952, X954
Operator	Tray selected (corresponding image size is set)		
a4tray	tray with A4-size paper	✓	✓
a5tray	tray with A5-size paper	✓	✓
b5tray	tray with B5-size paper	✓	✓
customtray	tray with custom-size paper	X	X
executivetray	tray with executive-size paper	✓	✓
foliotray	tray with folio-size paper	✓	✓
legaltray	tray with legal-size paper	✓	✓
lettertray	tray with letter-size paper	✓	✓
oficiotray	tray with oficio-size paper	✓	✓
b4tray	tray with B4-size paper	✓	✓
a3tray	tray with A3-size paper	✓	✓
ledgertray	tray with ledger-size paper	✓	✓
11x17tray	tray with 11 x 17-size paper	✓	✓
statementtray	tray with statement-size paper	✓	✓
a6tray	tray with A6-size paper	✓	✓

PostScript envelope size support

The literal names in “Envelope sizes supported” on page 16 are also supported as operators in **userdict**. These operators change the image size, but do not change the active paper source. Therefore, when these operators are used, part of the image may be clipped.

When these literal names are used as operators, it is equivalent to executing the following PostScript emulation sequence. The following example uses a 3.875 x 7.5 envelope.

```
<</Policies <</PageSize 7>> /PageSize [279 540]>> >>setpagedevice
```

Envelope sizes supported

✓ = Supported X = Not supported Envelope sizes					Printer models	
Size name	Literal name	Size (mm)	Size (inches)	Size (points)	C950	X950, X952, X954
7 3/4	3.875x7.5envelope	98.4 x 190.5	3.875 x 7.5	279 x 540	✓	✓
Commercial 9	3.875x8.875envelope	98.4 x 225.4	3.875 x 8.875	279 x 639	X	X
Commercial 10	4.125x9.5envelope	104.8 x 241.3	4.125 x 9.5	297 x 684	✓	✓
International DL	110x220envelope	110 x 220	4.33 x 8.66	312 x 624	✓	✓
International C5	162x229envelope	162 x 229	6.38 x 9.01	459 x 649	✓	✓
International B5	176x250envelope	176 x 250	6.93 x 9.84	499 x 708	X	X
Other envelope	otherenvelope	296.93 x 427.48	11.69 x 16.83	841 x 842	✓	✓
otherenvelope*	Other	229.11 x 355.6	9.02 x 14	612 x 996	✓	✓

* For other envelopes, the page is formatted to 216 x 356 mm (8.5 x 14 in.) unless a size is specified by your software program.

Literal names supported

✓ = Supported X = Not Supported Literal names		Printer models	
Literal name	Compatible literal name	C950	X950, X952, X954
monarchenvelope	3.875x7.5envelope	X	X
com10envelope	4.125x9.5envelope	✓	✓
dlenvelope	110x220envelope	✓	✓
c5envelope	162x229envelope	✓	✓
b5envelope	176x250envelope	X	X

PostScript envelope tray support

If **manualfeed** in **statusdict** and the ManualFeed page device parameter are false when the printer receives one of the envelopetray operators listed in “Envelopetray operator selections” on page 17, then the following occurs:

- The printer sets the PageSize Policy to **0**.
- The printer checks the active source to see if it matches the requested envelope size. If the sizes match, then the envelope is fed from the active source.

Note: The active source is the last source selected from the printer control panel or data stream.

- If the requested size and the size loaded in the active source do not match, then the sources are searched in the order defined by the Priority array in the InputAttributes dictionary in the pagedevice dictionary.
- If the requested media size is not found by the previous search, then the following search order is used:
 - Envelope feeder
 - Multipurpose feeder
- If the requested size and type are not available from any automatic source, then you are prompted to load the requested envelope size and type in the manual feed source.
- If the size is still not available, then a **configurationerror** is issued and the print job is flushed.

If manualfeed or ManualFeed is true, then the printer prompts you to load the requested size manually. If no manual feed exists on the printer, then a **rangecheck** error message is issued.

The envelope tray the printer selects when it receives an **envelopetray** operator is listed in “Envelopetray operator selections” on page 17. These operators are equivalent to executing the following PostScript emulation sequence:

```
<</PageSize [x y] /ImagingBBox null /Policies<</PageSize 0>> >>
setpagedevice
```

where **x y** are the PageSize in points.

Envelopetray operator selections

✓ = Supported X = Not supported Tray operators		Printer models	
		C950	X950, X952, X954
Operator	Tray selected (Corresponding image size is set)		
110x220envelopetray	tray with 110 x 220 size envelopes	✓	✓
dlenvelopetray	tray with 110 x 220 size envelopes	✓	✓
162x229envelopetray	tray with 162 x 229 size envelopes	✓	✓
c5envelopetray	tray with 162 x 229 size envelopes	✓	✓
176x250envelopetray	tray with 176 x 250 size envelopes	✓	✓
b5envelopetray	tray with 176 x 250 size envelopes	X	X
3.875x7.5envelopetray	tray with 3.875 x 7.5 size envelopes	✓	✓
monarcenvelopetray	tray with 3.875 x 7.5 size envelopes	X	X
3.875x8.875envelopetray	tray with 3.875 x 8.875 size envelopes	X	X
4.125x9.5envelopetray	tray with 4.125 x 9.5 size envelopes	✓	✓
com10envelopetray	tray with 4.125 x 9.5 size envelopes	✓	✓
otherenvelopetray	tray with other size envelopes	✓	✓

Printer specifications

Airflow requirement

The room should meet ASHRAE 62—1989 standards.

Noise emission levels

The following measurements were made in accordance with ISO 7779 and reported in conformance with ISO 9296.

Status	1-meter average sound pressure, dBA			
	C950	X950	X952	X954
Idle/Ready	22	24	24	24
Printing (simplex)	53	52	52	53
Printing (duplex)	54	54	54	55
ADF Mono Scan	Not applicable	55	55	54
ADF Mono Copy	Not applicable	55	55	55
ADF Color Scan	Not applicable	54	54	53
ADF Color Copy	Not applicable	52	52	53

Note: Measurements apply to 300-, 600-, and 1200-dpi printing.

Status	Declared sound power level, bels			
	C950	X950	X952	X954
Idle/Ready	4.3	4.2	4.2	4.2
Printing (simplex mono)	7.0	6.9	6.9	7.0
Printing (simplex color)	6.9	6.9	6.9	6.9
Printing (duplex)	7.0	7.1	7.1	7.2
ADF Mono Scan	Not applicable	7.1	7.1	7.1
ADF Mono Copy	Not applicable	7.1	7.1	7.1
ADF Color Scan	Not applicable	7.0	7.0	7.1
ADF Color Copy	Not applicable	7.0	7.0	7.0

Note: Measurements apply to 300-, 600-, and 1200-dpi printing.

Electrical specifications

Printer model	Electrical specification
C950 SFP low-voltage models	100–127 V at 50–60Hz, nominal 90–137 V, extreme
C950 SFP high-voltage models	220–240 V at 50–60Hz, nominal (available only in some countries) 198–259 V, extreme
X95x MFP low-voltage models	100–127 V at 50–60Hz, nominal 90–137 V, extreme
X95x MFP high-voltage models	220–240 V at 50–60Hz, nominal (available only in some countries) 198–259 V, extreme

Warning—Potential Damage: Do not use voltage converters with printers.

Power requirements

The following table specifies the nominal average power requirements for the base configuration, including fuser power.

Printing state	C950	X950de	X952de X952dte	X954de X954dhe
Average power while printing continuously				
One-sided (simplex)	680 W	675 W	710 W	750 W
Two-sided (duplex)	670 W	650 W	700 W	725 W
Average power while idle				
Hibernate mode	1.0 W	1.0 W	1.0 W	1.0 W
Ready mode	95 W	110 W	115 W	120 W
Sleep mode	15 W	17 W	17 W	17 W
Average power while copying				
Copy	Not applicable	810 W	830 W	850 W
Average power while scanning				
Scan	Not applicable	125 W	130 W	135 W
Maximum current while printing				
100 V	15.0 A	15.0 A	15.0 A	15.0 A
120 V	13.2 A	13.2 A	13.2 A	13.2 A
230 V	8.0 A	8.0 A	8.0 A	8.0 A
Normal mode	7.24 kWh/wk	7.932 kWh/wk	9.188 kWh/wk	9.462 kWh/wk
Eco mode	5.314 kWh/wk	5.933 kWh/wk	6.566 kWh/wk	6.913 kWh/wk
Off	0.35 W	0.35 W	0.35 W	0.35 W

Physical specifications

Lexmark C950 dimensions

	Height	Width	Depth	Weight with cartridge (unpackaged)
C950	565 mm (22.24 in.)	640 mm (25.20 in.)	685 mm (26.97 in.)	95.0 kg (209.5 lb)

Lexmark X95x dimensions

	Height	Width	Depth	Weight with cartridge (unpackaged)
X950de, X952de, X954de	762.3 mm (30.01 in.)	640 mm (25.20 in.)	685 mm (26.97 in.)	116.0 kg (255.8 lb)
X952dte	1127.3 mm (44.38 in.)	640 mm (25.20 in.)	685 mm (26.97 in.)	150.7 kg (332.2 lb)
X954dhe	1127.3 mm (44.38 in.)	640 mm (25.20 in.)	685 mm (26.97 in.)	159.6 kg (351.8 lb)

Input option for C950 and X95x printer models

	Height	Width	Depth	Weight with cartridge (unpackaged)
520-sheet 1 tray module	365 mm (14.37 in.)	640 mm (25.20 in.)	685 mm (26.97 in.)	26.5 kg (58.3 lb)
3 tray module	365 mm (14.37 in.)	640 mm (25.20 in.)	685 mm (26.97 in.)	34.7 kg (76.4 lb)
Tandem tray module	365 mm (14.37 in.)	640 mm (25.20 in.)	685 mm (26.97 in.)	43.6 kg (96.0 lb)
Booklet finisher	998 mm (39.3 in.)	750 mm (29.5 in.)	680 mm (26.8 in.)	43.6 kg (96.0 lb)
Standard finisher	998 mm (39.3 in.)	700 mm (27.6 in.)	680 mm (26.8 in.)	43.6 kg (96.0 lb)
High-capacity feeder	381 mm (15 in.)	406 mm (16 in.)	610 mm (24 in.)	29 kg (64 lb)

Physical dimensions with extensions fully open

	Height	Width	Depth
C950	565 mm (22.24 in.)	640 mm (25.20 in.)	1108.2 mm (43.63 in.)
X950	1097.6 mm (43.21 in.)	640 mm (25.20 in.)	1108.2 mm (43.63 in.)
X952, X954	1462.6 mm (57.58 in.)	640 mm (25.20 in.)	1108.2 mm (43.63 in.)

Clearance requirements

Lexmark C950

Model	Left side	Right side	Front	Rear	Top
C950	374.65 mm (14.75 in.)	307.34 mm (12.1 in.)	444.5 mm (17.5 in.)	100 mm (3.9 in.)	152.4 mm (6 in.)

Lexmark X95x Series

Model	Left side	Right side	Front	Rear	Top
X950, X952, X954	374.65 mm (14.75 in.)	307.34 mm (12.1 in.)	444.5 mm (17.5 in.)	100 mm (3.9 in.)	304.8 mm (12 in.)

Environmental conditions

Note: When shipping or storing printers, always pack the printer supplies (such as cartridges and photoconductors) separately.

Printer air temperature ranges

Printer model	Operating value	Shipping and storage value (with cartridges)
C950	10.0–32.0°C (50–90°F)	-40 to 40°C (-40 to 104°F)
X950, X952, X954	10.0–32.0°C (50–90°F)	-40 to 40°C (-40 to 104°F)

Printer humidity ranges

Printer model	Operating value
C950	15–85%*
X950, X952, X954	15–85%*

* Approaching 32°C (90°F), the maximum relative humidity is 60%.

Cartridge air temperature and humidity ranges

Shipping and storage value			
Air temperature		Humidity	
Extreme environment	Normal environment	Extreme environment	Normal environment
-20 to 0°C (-4 to 32°F) 35–40°C (95–104°F)	0–35°C (32–104°F)	5–20% 80–95%	15–80%

Notes:

- Up to 1 month from the date of manufacture when stored in an extreme environment.
- Up to 24 months from the date of manufacture when stored in a normal environment.

Altitude and atmospheric pressure specifications

Altitude specifications

Altitude (above sea level)		
Printer model	Operating value	Shipping and storage value
C950	0–2500 m (8200 ft)	0–15000 m (0–49200 ft)
X950, X952, X954	0–2500 m (8200 ft)	0–15000 m (0–49200 ft)

Atmospheric pressure specifications

Atmospheric pressure	
Printer model	Operating value
C950	760 mmHg (1013 hPa)
X950, X952, X954	760 mmHg (1013 hPa)

Appendix A: PCL support

PCL emulation commands

✓ = Supported X = Not supported		Printer model	
Command	Function	C950	X950, X952, X954
ESC ϵ	Printer Reset	✓	✓
ESC γ	Display FunctionsOn	✓	✓
ESC ζ	Display FunctionsOff	✓	✓
ESC ζ	Print Test Page	X	X
ESC&a#C	Set Horizontal Cursor Position (Column Number)	✓	✓
ESC&a#G	Duplex Page Side Selection	✓	✓
ESC&a#H	Set Horizontal Cursor Position (in Decipoints)	✓	✓
ESC&a#L	Set Left Margin	✓	✓
ESC&a#M	Set Right Margin	✓	✓
ESC&a#N	Negative Motion	X	X
ESC&a#P	Print Direction	✓	✓
ESC&a#R	Set Vertical Cursor Position (Row Number)	✓	✓
ESC&a#V	Set Vertical Cursor Position (in Decipoints)	✓	✓
ESC&b#M	Monochrome Print Mode	✓	✓
ESC&b#W[data]	Key / Value Pair	X	X
ESC&c#T	Character Text Path Direction	✓	✓
ESC&d@	Disable Underline	✓	✓
ESC&d#A	Collation - Collated Copies (QTY)	✓	✓
ESC&d#D	Select Underline Type	✓	✓
ESC&f#F	Set Universal Height	✓	✓
ESC&f#G	Set Universal Width	✓	✓
ESC&f#O	Set Universal Feed Direction	✓	✓

✓ = Supported X = Not supported		Printer model	
		C950	X950, X952, X954
Command	Function		
ESC&f#W	Set Universal Custom Name	✓	✓
ESC&f#S	Push / Pop Cursor	✓	✓
ESC&f#X	Macro Control	✓	✓
ESC&f#Y	Set Macro ID	✓	✓
ESC&k#G	Set Line Termination	✓	✓
ESC&k#H	Set Horizontal Motion Index (HMI)	✓	✓
ESC&k#S	Select Primary and Secondary Pitch	✓	✓
ESC&k#W	Text Scale Mode	X	X
ESC&l#A	Set Page Size	✓	✓
ESC&l#C	Set Vertical Motion Index (VMI)	✓	✓
ESC&l#D	Set Line Spacing	✓	✓
ESC&l#E	Set Top Margin	✓	✓
ESC&l#F	Set Text Length	✓	✓
ESC&l#G	Set Output Bin	✓	✓
ESC&l#H	Select Paper Feed	✓	✓
ESC&l#L	Skip Perforation	✓	✓
ESC&l#O	Select Orientation	✓	✓
ESC&l#M(b)	Media Type	X	X
ESC&l#P	Set Page Length	✓	✓
ESC&l#S	Simplex/Duplex	✓	✓
ESC&l1T	Job Separation	X	X
ESC&l#U	Left (Long-Edge) Offset Registration	✓	✓
ESC&l#X	Set Copy Count	✓	✓
ESC&l#Z	Top (Short-Edge) Offset Registration	✓	✓
ESC&n#W [operation] [string id]	Alphanumeric ID	✓	✓
ESC&p#C	Palette Control	✓	✓
ESC&p#I	Palette Control ID	✓	✓

✓ = Supported X = Not supported		Printer model	
		C950	X950, X952, X954
Command	Function		
ESC&p#S	Select Palette	✓	✓
ESC&p#X[data]	Transparent Print Data	✓	✓
ESC&r#F	Flush All Pages	✓	✓
ESC&s#C	End-Of-Line Text Wrap	✓	✓
ESC&t#P	Text Parsing Method	✓	✓
ESC&u#D	Unit of Measure	✓	✓
ESC(#	Select Symbol Set	✓	✓
ESC(#X	Select Font by ID	✓	✓
ESC(3@	Select Default Primary Font	✓	✓
ESC(f#W[data]	Define Symbol Set	✓	✓
ESC(s#B	Select Stroke Weight	✓	✓
ESC(s#H	Select Pitch	✓	✓
ESC(s#P	Select Spacing	✓	✓
ESC(s#S	Select Style	✓	✓
ESC(s#T	Select Typeface	✓	✓
ESC(s#V	Select Point Size	✓	✓
ESC(s#W[data]	Load Character	✓	✓
ESC)#	Secondary Font Symbol Set	X	X
ESC)#X	Select Secondary Download Font (by Font ID)	X	X
ESC)3@	Select Default Secondary Font	✓	✓
ESC)s#B	Secondary Font Stroke Weight	X	X
ESC)s#H	Secondary Font Pitch	X	X
ESC)s#P	Secondary Font Spacing	X	X
ESC)s#S	Secondary Font Style	X	X
ESC)s#T	Secondary Font Typeface Selection	X	X
ESC)s#V	Secondary Font Height (Point Size)	X	X
ESC)s#W[data]	Load Font Header	✓	✓

✓ = Supported X = Not supported		Printer model	
		C950	X950, X952, X954
Command	Function		
ESC*b#M	Set Raster Compression Mode	✓	✓
ESC*b#V[data]	Transfer Raster Data (Plane)	✓	✓
ESC*b#W[data]	Transfer Raster Data (Row / Block)	✓	✓
ESC*b#Y	Y Offset	✓	✓
ESC*c#A	Horizontal Rectangle Size (in PCL Units)	✓	✓
ESC*c#B	Vertical Rectangle Size (in PCL Units)	✓	✓
ESC*c#D	Set Font ID	✓	✓
ESC*c#E	Set Character Code	✓	✓
ESC*c#F	Font Control	✓	✓
ESC*c#G	Area Fill ID	✓	✓
ESC*c#H	Horizontal Rectangle Size (in Decipoints)	✓	✓
ESC*c#K	Horizontal Plot Size (in Inches)	✓	✓
ESC*c#L	Vertical Plot Size (in Inches)	✓	✓
ESC*c#P	Fill Rectangular Area	✓	✓
ESC*c#Q	Pattern Control	✓	✓
ESC*c#R	Symbol Set ID Code	✓	✓
ESC*c#S	Symbol Set Control	✓	✓
ESC*cOT	Set Picture Frame Anchor Point	✓	✓
ESC*c#V	Vertical Rectangle Size (in Decipoints)	✓	✓
ESC*c#W[data]	Define Pattern	✓	✓
ESC*c#X	Picture Frame Horizontal Size (in Decipoints)	✓	✓
ESC*c#Y	Picture Frame Vertical Size (in Decipoints)	✓	✓
ESC*l#O	Logical Operation	✓	✓
ESC*l#R	Pixel Placement	✓	✓
ESC*l#W[data]	Color Lookup Tables	X	X

✓ = Supported X = Not supported		Printer model	
		C950	X950, X952, X954
Command	Function		
ESC*m#W[data]	Download Dither Matrix	✓	✓
ESC*o#M(b)	Print Quality	X	X
ESC*o#Q	Mechanical Print Quality	X	X
ESC*o#W[data]	Driver Configuration	✓	✓
ESC*p#P	Push / Pop Palette	✓	✓
ESC*p#R	Set Pattern Reference Point	✓	✓
ESC*p#X	Set Horizontal Cursor Position (in PCL Units)	✓	✓
ESC*p#Y	Set Vertical Cursor Position (in PCL Units)	✓	✓
ESC*r#A	Start Raster Graphics	✓	✓
ESC*r#F	Raster Graphics Presentation	✓	✓
ESC*r#S	Raster Width (Source)	✓	✓
ESC*r#T	Raster Height (Source)	✓	✓
ESC*r#U	Simple Color	✓	✓
ESC*rB	End Raster Graphics (Version B)	✓	✓
ESC*rC	End Raster Graphics (Version C)	✓	✓
ESC*s#I	Inquire Status Readback Entity	✓	✓
ESC*s1M	Free Space	✓	✓
ESC*s#T	Set Status Readback Location Type	✓	✓
ESC*s#U	Set Status Readback Location Unit	✓	✓
ESC*s#X	Echo	✓	✓
ESC*t#H	Raster Width (Destination)	✓	✓
ESC*t#I	Gamma Correction	✓	✓
ESC*t#J	Render Algorithm	X	X
ESC*t#K	Scale Algorithm	X	X
ESC*t#R	Set Resolution	✓	✓
ESC*t#V	Raster Height (Destination)	✓	✓

√ = Supported X = Not supported		Printer model	
Command	Function	C950	X950, X952, X954
ESC*g#W	Set Raster Configuration	X	X
ESC*v#A	Color Component One	√	√
ESC*v#B	Color Component Two	√	√
ESC*v#C	Color Component Three	√	√
ESC*v#I	Assign Color Index	√	√
ESC*v#N	Source Transparency Mode	√	√
ESC*v#O	Pattern Transparency Mode	√	√
ESC*v#S	Foreground Color	√	√
ESC*v#T	Select Current Pattern	√	√
ESC*v#W[data]	Configure Image Data	√	√
ESC*i#W[data]	Viewing Illuminant	X	X
ESCg	Clear Horizontal Margins	√	√
ESC=	Half Line-Feed	√	√
ESC%#A	Enter HP PCL 5 Mode	√	√
ESC%#B	Enter HP-GL/2 Mode Note: The values -1, 2, and 3 are not supported by any of the printers included in this document.	√	√
ESC%12345X	Universal Exit Language (UEL) / Start of PJJ	√	√

GL/2 commands

√ = Supported X = Not supported		Printer model	
Command	Function	C950	X950, X952, X954
AA	Arc Absolute	√	√
AC	Anchor Corner	√	√
AD	Define Alternate Font	√	√
AR	Arc Relative	√	√

✓ = Supported X = Not supported		Printer model	
Command	Function	C950	X950, X952, X954
AT	Arc Absolute Three Point	✓	✓
BR	Bezier Relative	✓	✓
BZ	Bezier Absolute	✓	✓
CF	Character Fill	✓	✓
CI	Circle	✓	✓
CO	Comment	✓	✓
CP	Character Plot	✓	✓
CR	Color Range	✓	✓
DF	Default	✓	✓
DI	Absolute Direction	✓	✓
DR	Relative Direction	✓	✓
DT	Define Label Terminator	✓	✓
DV	Define Variable Text Path	✓	✓
EA	Edge Rectangle Absolute	✓	✓
EP	Edge Polygon	✓	✓
ER	Edge Rectangle Relative	✓	✓
ES	Extra Space	✓	✓
EW	Edge Wedge	✓	✓
FI	Primary Font	✓	✓
FN	Secondary Font	✓	✓
FP	Fill Polygon, Odd/Even	✓	✓
FP	Fill Polygon, Non-Zero Winding	✓	✓
FT	Fill Type	✓	✓
FT	Fill Type - 22	✓	✓
FT	Fill Type - 9	✓	✓
IN	Initialize	✓	✓
IP	Input P1 and P2	✓	✓

✓ = Supported X = Not supported		Printer model	
Command	Function	C950	X950, X952, X954
IR	Input Relative P1 and P2	✓	✓
IW	Input Window	✓	✓
LA	Line Attributes	✓	✓
LB	Label, Default Terminator = '03'x	✓	✓
LO	Label Origin	✓	✓
LO	Uses PCL Label Origin	✓	✓
LT	Line Type	✓	✓
LM	Label Mode	X	X
MC	Logical Operation	✓	✓
NP	Number of Pens	✓	✓
PA	Plot Absolute	✓	✓
PC	Pen Color	✓	✓
PD	Pen Down	✓	✓
PE	Polyline Encoded	✓	✓
PM	Polygon Mode	✓	✓
PP	Pixel Placement	✓	✓
PR	Plot Relative	✓	✓
PU	Pen Up	✓	✓
PW	Pen Width	✓	✓
RA	Fill Rectangle Absolute	✓	✓
RF	Define Raster Fill	✓	✓
RO	Rotate Coordinate System	✓	✓
RR	Fill Rectangle Relative	✓	✓
RT	Arc Relative Three Point	✓	✓
SA	Select Alternate Font	✓	✓
SB	Scalable/Bitmapped Fonts	✓	✓
SC	Scale	✓	✓

✓ = Supported X = Not supported		Printer model	
Command	Function	C950	X950, X952, X954
SD	Define Standard Font	✓	✓
SI	Absolute Character Size	✓	✓
SL	Character Slant	✓	✓
SM	Symbol Mode	✓	✓
SP	Select Pen	✓	✓
SR	Relative Character Size	✓	✓
SS	Select Standard Font	✓	✓
SV	Screened Vectors	✓	✓
SV	Screened Vectors - 9, level	✓	✓
TD	Transparent Data	✓	✓
TM	Threshold Matrix	✓	✓
TR	Transparency Mode	✓	✓
UL	User Defined Line	✓	✓
WG	Fill Wedge	✓	✓
WU	Pen Width Units	✓	✓

Appendix B: PJI support

Common variables for both printer languages

Variable name	Printer model	
	C950	X950, X952, X954
AUTOCONT	✓	✓
AUTOSELECT	x	x
BINDING	✓	✓
BITSPERPIXEL	x	x
CLEARABLEWARNINGS	✓	✓
CONTEXTSWITCH	x	x
COPIES	✓	✓
CPLOCK	✓	✓
DENSITY	✓	✓
DISKLOCK	x	x
DUPLEX	✓	✓
ECONOMODE	x	x
FORMATTERNUMBER	✓	✓
FORMLINES	✓	✓
HELDJOBTIMEOUT	✓	✓
HOLD	x	x
HOLDKEY	✓	✓
HOLDTYPE	✓	✓
IMAGEADAPT	x	x
INTRAY1	x	x
INTRAY2	✓	✓
INTRAY3	✓	✓
INTRAY4	✓	✓
INTRAY5	✓	✓

Variable name	Printer model	
	C950	X950, X952, X954
INTRAY1SIZE	✓	✓
INTRAY2SIZE	✓	✓
INTRAY3SIZE	✓	✓
INTRAY4SIZE	✓	✓
INTRAY5SIZE	✓	✓
IOBUFFER	x	x
IOSIZE	x	x
JOBATTR	x	x
JOBNAME	✓	✓
JOBOFFSET	✓	✓
LANG	✓	✓
LOWTONER	✓	✓
MANUALFEED	✓	✓
MEDIASOURCE	x	x
MEDIATYPE	✓	✓
MPTRAY	✓	✓
ORIENTATION	✓	✓
OUTBIN	✓	✓
PAGEPROTECT	✓	✓
PAPER	✓	✓
PARALLEL	✓	✓
PASSWORD	✓	✓
PERSONALITY	✓	✓
POWERSAVE	✓	✓
POWERSAVETIME	✓	✓
PRINTQUALITY	x	x
QTY	✓	✓
RENDERMODE	x	x

Variable name	Printer model	
	C950	X950, X952, X954
REPEATJUSTTIMEOUT	✓	✓
REPRINT	✓	✓
RESERVEJOBTIMEOUT	✓	✓
RESOLUTION	✓	✓
RESOURCESAVE	✓	✓
RESOURCESAVESIZE	✓	✓
RET	✓	✓
STRINGCODESET	✓	✓
TIMEOUT	✓	✓
USERNAME	✓	✓
VERIFYJOBTIMEOUT	✓	✓
WIDEA4	✓	✓

Lexmark-unique PJI variables for both printer languages

Variable name	Printer model	
	C950	X950, X952, X954
LACTIVEBINRESET	✓	✓
LADVANCEDSTATUS	✓	✓
LALARMCONTROL	✓	✓
LAUTOCRLF	✓	✓
LAUTOLFCR	✓	✓
LBAYERSCREENLIMIT	✓	✓
LBLANKPAGES	✓	✓
LBONDLENGTH	x	x
LBONDLOADING	✓	✓
LBONDOUTBIN	✓	✓

Variable name	Printer model	
	C950	X950, X952, X954
LBONDTEXTURE	✓	✓
LBONDWEIGHT	x	x
LBOTTOMMARGINOFFSET	x	x
LBWLOCK	x	x
LCANCEL	✓	✓
LCARDSTOCKLENGTH	x	x
LCARDSTOCKLOADING	✓	✓
LCARDSTOCKOUTBIN	✓	✓
LCARDSTOCKTEXTURE	✓	✓
LCARDSTOCKWEIGHT	x	x
LCOLLATION	✓	✓
LCOLORCORRECTION	x	x
LCOLOREDLENGTH	x	x
LCOLOREDLOADING	✓	✓
LCOLOREDOUTBIN	✓	✓
LCOLOREDTEXTURE	✓	✓
LCOLOREDWEIGHT	x	x
LCOLORMODEL	x	x
LCUSTOMPAPERUNITS	✓	✓
LCUSTOMPAPERWIDTH	✓	✓
LCUSTOMPAPERHEIGHT	✓	✓
LCUSTOMPAPERFEED	✓	✓
LCUSTOMTYPE1LENGTH	x	x
LCUSTOMTYPE1LOADING	✓	✓
LCUSTOMTYPE1MEDIA	✓	✓
LCUSTOMTYPE1NAME	✓	✓
LCUSTOMTYPE1OUTBIN	✓	✓
LCUSTOMTYPE1TEXTURE	✓	✓
LCUSTOMTYPE1WEIGHT	x	x

Variable name	Printer model	
	C950	X950, X952, X954
LCUSTOMTYPE2LENGTH	X	X
LCUSTOMTYPE2LOADING	✓	✓
LCUSTOMTYPE2MEDIA	✓	✓
LCUSTOMTYPE2NAME	✓	✓
LCUSTOMTYPE2OUTBIN	✓	✓
LCUSTOMTYPE2TEXTURE	✓	✓
LCUSTOMTYPE2WEIGHT	X	X
LCUSTOMTYPE3LENGTH	X	X
LCUSTOMTYPE3LOADING	✓	✓
LCUSTOMTYPE3MEDIA	✓	✓
LCUSTOMTYPE3NAME	✓	✓
LCUSTOMTYPE3OUTBIN	✓	✓
LCUSTOMTYPE3TEXTURE	✓	✓
LCUSTOMTYPE3WEIGHT	X	X
LCUSTOMTYPE4LENGTH	X	X
LCUSTOMTYPE4LOADING	✓	✓
LCUSTOMTYPE4MEDIA	✓	✓
LCUSTOMTYPE4NAME	✓	✓
LCUSTOMTYPE4OUTBIN	✓	✓
LCUSTOMTYPE4TEXTURE	✓	✓
LCUSTOMTYPE4WEIGHT	X	X
LCUSTOMTYPE5LENGTH	X	X
LCUSTOMTYPE5LOADING	✓	✓
LCUSTOMTYPE5MEDIA	✓	✓
LCUSTOMTYPE5NAME	✓	✓
LCUSTOMTYPE5OUTBIN	✓	✓
LCUSTOMTYPE5TEXTURE	✓	✓
LCUSTOMTYPE5WEIGHT	X	X

Variable name	Printer model	
	C950	X950, X952, X954
LCUSTOMTYPE6LENGTH	X	X
LCUSTOMTYPE6LOADING	✓	✓
LCUSTOMTYPE6MEDIA	✓	✓
LCUSTOMTYPE6NAME	✓	✓
LCUSTOMTYPE6OUTBIN	✓	✓
LCUSTOMTYPE6TEXTURE	✓	✓
LCUSTOMTYPE6WEIGHT	X	X
LDOWNLOADTARGET	✓	✓
LDRYTIMEDELAY	X	X
LDUPLEXLEFTMARGINOFFSET	X	X
LDUPLEXTOPMARGINOFFSET	X	X
LDUPLICATEHELDJOBS	✓	✓
LECOMODE	✓	✓
LENVELOPEENHANCE	X	X
LENVELOPELENGTH	X	X
LENVELOPEOUTBIN	✓	✓
LENVELOPETEXTURE	✓	✓
LENVELOPEWEIGHT	X	X
LESCCHAR	✓	✓
LFAXRESOLUTION	X	✓
LFAXJOBWAITFORTONER	X	✓
LFAXFOLD	X	X
LFAXREDIAL	✓	X
LFAXREDIALFREQUENCY	X	✓
LFAXTRANSMISSIONLOG	X	✓
LFOLD	✓	✓
LFEEDERPAPERTYPE	✓	✓
LGLOSSYLOADING	✓	✓

Variable name	Printer model	
	C950	X950, X952, X954
LGLOSSYOUTPUTBIN	✓	✓
LGLOSSYTEXTURE	✓	✓
LGLOSSYWEIGHT	x	x
LHEAVYGLOSSYLOADING	✓	✓
LHEAVYGLOSSYOUTBIN	✓	✓
LHEAVYGLOSSYTEXTURE	✓	✓
LHEAVYGLOSSYWEIGHT	x	x
LHEAVYPAPERLOADING	✓	✓
LHEAVYPAPEROUTBIN	✓	✓
LHEAVYPAPERTEXTURE	x	x
LHEAVYPAPERWEIGHT	✓	✓
LHELDJOBPRORDER	✓	✓
LHOLEPUNCHALARM	✓	✓
LHOLEPUNCHMODE	✓	✓
LHONORINIT	✓	✓
LIMAGEESS	x	x
LIMAGEBRIGHTNESS	x	x
LIMAGECONTRAST	x	x
LIMAGEENHANCE	x	x
LIMAGEENHANCETYPE	x	x
LIMAGEORIENTATION	✓	✓
LIMAGESMOOTHING	x	x
LINFEDER	x	x
LINFEDERSIZE	x	x
LINKALERT	x	x
LINMPFEEDERSIZE	✓	✓
LJAMRECOVERY	✓	✓
LJOBPARKPERSIST	✓	✓
LJOBWAITFORSUPPLIES	✓	✓

Variable name	Printer model	
	C950	X950, X952, X954
LLABELSLENGTH	X	X
LLABELSLOADING	X	X
LLABELSOUTBIN	✓	✓
LLABELSTEXTURE	✓	✓
LLABELSWEIGHT	X	X
LLEFTMARGINOFFSET	X	X
LLETTERHEADLENGTH	X	X
LLETTERHEADLOADING	✓	✓
LLETTERHEADOUTBIN	✓	✓
LLETTERHEADTEXTURE	✓	✓
LLETTERHEADWEIGHT	X	X
LLIGHTPAPERLOADING	X	X
LLIGHTPAPEROUTBIN	✓	✓
LLIGHTPAPERTEXTURE	✓	✓
LLIGHTPAPERWEIGHT	X	X
LLINEDetail	✓	✓
LMANUALCOLORRGBTEXT	✓	✓
LMANUALCOLORRGBGRAPHICS	✓	✓
LMANUALCOLORRGBIMAGE	✓	✓
LMANUALCOLORCMYKTEXT	✓	✓
LMANUALCOLORCMYKGRAPHICS	✓	✓
LMANUALCOLORCMYKIMAGE	✓	✓
LMANUALENVELOPESIZE	✓	✓
LMANUALENVELOPETYPE	✓	✓
LMANUALPAPERSIZE	✓	✓
LMANUALPAPERTYPE	✓	✓
MICRJOB	X	X
LMAXSTATUSMSG	X	X

Variable name	Printer model	
	C950	X950, X952, X954
LMPFEEDERPAPERTYPE	✓	✓
LMFEEDERRENUMBER	✓	✓
LMULTIPAGEBORDER	✓	✓
LMULTIPAGEORDER	✓	✓
LMULTIPAGEPRINT	✓	✓
LMULTIPAGEVIEW	✓	✓
LNPAP	✓	✓
LOPTIONALOUTBIN1NAME	✓	✓
LOPTIONALOUTBIN2NAME	✓	✓
LOPTIONALOUTBIN3NAME	✓	✓
LOPTIONALOUTBIN4NAME	X	X
LOPTIONALOUTBIN5NAME	X	X
LOPTIONALOUTBIN6NAME	X	X
LOPTIONALOUTBIN7NAME	X	X
LOPTIONALOUTBIN8NAME	X	X
LOPTIONALOUTBIN9NAME	X	X
LOPTIONALOUTBIN10NAME	X	X
LOUTBINCONFIG	✓	✓
LOVERFLOWOUTBIN	X	X
LOVERFLOWTIMER	✓	✓
LPAGECOUNT	✓	✓
LPAGEMODE	✓	✓
LPAPERSOURCE	✓	✓
LPICTUREGRADE	X	X
LPLAINLENGTH	X	X
LPLAINOUTBIN	✓	✓
LPLAINTEXTURE	✓	✓
LPLAINWEIGHT	X	X
LPOWERSAVER	✓	✓

Variable name	Printer model	
	C950	X950, X952, X954
LPPDS	✓	✓
LPPDSFORMLINES	✓	✓
LPPDSLINESPERINCH	✓	✓
LPREPRINTEDLENGTH	x	x
LPREPRINTEDLOADING	✓	✓
LPREPRINTEDOUTBIN	✓	✓
LPREPRINTEDTEXTURE	✓	✓
LPREPRINTEDWEIGHT	x	x
LPRINTBUFFER	✓	✓
LPRINTSCREENS	✓	✓
LPRINTHEADIDLETIME	x	x
LPRINTERUSAGE	✓	✓
LPRINTMENUSBUTTON	x	x
LPRINTQUALITY	x	x
LPUNCH	✓	✓
LQUIETMODE	✓	✓
LREAROUTBINNAME	x	x
LRECYCLEDLOADING	✓	✓
LRECYCLEDMEDIA	✓	✓
LRECYCLEDOUTBIN	✓	✓
LRECYCLEDTEXTURE	✓	✓
LRECYCLEDWEIGHT	x	x
LREPEATPRINTLIMIT	✓	✓
LRESET	✓	✓
LRESOURCESAVE	✓	✓
LRIGHTMARGINOFFSET	x	x
LROUGHENVELOPELOADING	x	x
LROUGHENVELOPEOUTBIN	✓	✓

Variable name	Printer model	
	C950	X950, X952, X954
LROUGHENVELOPETEXTURE	✓	✓
LROUGHENVELOPEWEIGHT	x	x
LROUGH PAPERLOADING	✓	✓
LROUGH PAPEROUTBIN	✓	✓
LROUGH PAPERTEXTURE	✓	✓
LROUGH PAPERWEIGHT	x	x
LSCREENING	x	x
LSEPARATORSHEETS	✓	✓
LSEPARATORSOURCE	✓	✓
LSMALLFONTENHANCER	x	x
LSSGALVO	x	x
LSTANDARDOUTBINNAME	✓	✓
LSTAPLE	✓	✓
LSTAPLEEMPTYALARM	✓	✓
LSTAPLETESTBIN	x	x
LSTAPLETESTSOURCE	x	x
LSTROKEWIDTH	✓	✓
LSUBSTITUTESIZE	✓	✓
LTOPBINROTATE	✓	✓
LTOPMARGINOFFSET	x	x
LTRANSPARENCYLENGTH	x	x
LTRANSPARENCYOUTBIN	✓	✓
LTRANSPARENCYTEXTURE	✓	✓
LTRANSPARENCYWEIGHT	x	x
LTRAY1AUTOSIZE	✓	✓
LTRAY2AUTOSIZE	✓	✓
LTRAY3AUTOSIZE	✓	✓
LTRAY4AUTOSIZE	✓	✓

Variable name	Printer model	
	C950	X950, X952, X954
LTRAY5AUTOSIZE	✓	✓
LTRAY1PAPERTYPE	✓	✓
LTRAY2PAPERTYPE	✓	✓
LTRAY3PAPERTYPE	✓	✓
LTRAY4PAPERTYPE	✓	✓
LTRAY5PAPERTYPE	✓	✓
LTRAY1RENUMBER	✓	✓
LTRAY1SENSEDTYPEPAPER	X	X
LTRAY1SENSEDTYPETRANSARENCY	X	X
LTRAY2SENSEDTYPEPAPER	X	X
LTRAY2SENSEDTYPETRANSARENCY	X	X
LTRAY3SENSEDTYPEPAPER	X	X
LTRAY3SENSEDTYPETRANSARENCY	X	X
LTRAY4SENSEDTYPEPAPER	X	X
LTRAY4SENSEDTYPETRANSARENCY	✓	✓
LTYPE1FONTS	✓	✓
LUSDEFAULTS	✓	✓
LVINYLLABELSLOADING	X	X
LVINYLLABELSOUTBIN	X	X
LVINYLLABELSTEXTURE	X	X
LVINYLLABELSWEIGHT	X	X
LWRITECOVERAGE	✓	✓

Common variables for PCL emulation

Variable name	Printer model	
	C950	X950, X952, X954
FONTNUMBER	✓	✓
FONTSOURCE	✓	✓

Variable name	Printer model	
	C950	X950, X952, X954
PITCH	✓	✓
PTSIZE	✓	✓
SYMSET	✓	✓

Printer-unique variables for PCL emulation

Variable name	Printer model	
	C950	X950, X952, X954
LA4WIDTH	✓	✓
LASSIGNFEEDER	x	x
LASSIGNMANUALEVELOPE	✓	✓
LASSIGNMANUALPAPER	✓	✓
LASSIGNMPFEEDER	✓	✓
LASSIGNTRAY1	✓	✓
LASSIGNTRAY2	✓	✓
LASSIGNTRAY3	✓	✓
LASSIGNTRAY4	✓	✓
LASSIGNTRAY5	✓	✓
LBITMAPROUNDING	✓	✓
LCOLOREXTENSIONS	✓	✓
LFONTCOMPATIBILITY	✓	✓
LFONTPRIORITY	✓	✓

Common variables for PostScript emulation

Variable name	Printer model	
	C950	X950, X952, X954
JAMRECOVERY	✓	✓
PRTPSERRS	✓	✓
ADOBEMBT	X	X

Printer-unique variables for PostScript emulation

Variable name	Printer model	
	C950	X950, X952, X954
LPICTUREGRADE	X	X
LPSFONTPRIORITY	✓	✓

Printer-unique LRESOURCE variables

Variable name	Printer model	
	C950	X950, X952, X954
LDESCRIPTION	✓	✓
LRWLOCK	✓	✓
LWLOCK	✓	✓

Status Readback commands

Variable name	Printer model	
	C950	X950, X952, X954
Dinquire	✓	✓
Echo	✓	✓
Info	✓	✓
Inquire	✓	✓

Variable name	Printer model	
	C950	X950, X952, X954
Ustatus	✓	✓
Ustatusoff	✓	✓

USTATUS unsolicited status variables

Variable name	Printer model	
	C950	X950, X952, X954
DEVICE	✓	✓
JOB	✓	✓
PAGE	✓	✓
TIMED	✓	✓

PJI messages for auto-continuable conditions

Message	Status code	Return string	Printer model	
			C950	X950, X952, X954
Intervention Required - PPDS Font Error	30014	50 PPDS Font Error	✓	✓
Intervention Required - Insufficient Collation Area	30016	37 Insufficient Collation Area	✓	✓
Intervention Required - Insufficient Defragment Memory	30016	37 Insufficient Defrag Memory	✓	✓
Intervention Required - Insufficient Memory	30016	37 Insufficient Memory	✓	✓
Intervention Required - Insufficient Defragment Memory	30016	37 Insufficient memory, some Held Jobs were deleted	✓	✓
Intervention Required - Insufficient Defragment Memory	30016	37 Insufficient memory, some Held Jobs will not be restored	✓	✓

✓ = Supported X = Not supported			Printer model	
Message	Status code	Return string	C950	X950, X952, X954
Intervention Required - Insufficient Collation Area	30016	37 Insufficient memory to collate job	✓	✓
Intervention Required - Memory Full	30016	38 Memory Full	✓	✓
Intervention Required - Configuration Change	30016	57 Configuration Change	✓	✓
Intervention Required - Configuration Change	30016	57 Configuration change, some held jobs were not restored	✓	✓
Intervention Required - Held Jobs May Not Be Restored	30016	Held Jobs May Not Be Restored	✓	✓
Intervention Required - Held Jobs May Not Be Restored	30016	Some held jobs were not restored	✓	✓
Intervention Required - Complex Page	30017	39 Complex Page	✓	✓
Intervention Required - Parallel Error	30018	54 Parallel Error	X	X
Intervention Required - Serial Option Error	30018	54 Serial option [slot #] error	X	X
Intervention Required - Standard Serial Error	30018	54 Standard Serial Error	X	X
Intervention Required - Network Software Error	30018	54 Standard Network Software Error	✓	✓
Intervention Required - Standard Serial Fax Connection Lost	30018	54 Std Ser Fax Connection Lost	X	X
Intervention Required - Parallel Port Disabled	30018	56 Parallel Port Disabled	X	X
Intervention Required - Parallel Port Error	30018	56 Parallel Port Disabled	X	X
Intervention Required - Serial Option Disabled	30018	56 Serial [slot #] Port Disabled	X	X

✓ = Supported X = Not supported			Printer model	
Message	Status code	Return string	C950	X950, X952, X954
Intervention Required - Standard Serial Disabled	30018	56 Standard Serial Disabled	X	X
Intervention Required - Standard USB Disabled	30018	56 Standard USB Port Disabled	✓	✓
Intervention Required - Std Parallel Port Disabled	30018	56 Std Parallel Port Disabled	X	X
Intervention Required - Resource Save Off Deficient Memory	30019	35 Res Save Off Deficient Memory	X	X
Intervention Required - Insufficient Fax Buffer	30026	55 Insufficient Fax Buffer	X	X
Intervention Required - Std Par ENA Connection Lost	30027	54 Std Par ENA Connection Lost	X	X
Intervention Required - Standard Parallel Port Disabled	30027	56 Standard Parallel Port Disabled	X	X
Intervention Required - Std Parallel Port Disabled	30027	56 Std Parallel Port Disabled	X	X
Intervention Required - Resolution Reduced	30029	36 Resolution Reduced	X	X
Intervention Required - Print Jobs on Disk Request	30031	Print Jobs on Disk? or Print Jobs on Disk. Go/Stop?	X	X
Intervention Required - Restore Held Jobs. Go/Stop?	30031	Restore Held Jobs. Go/Stop?	✓	✓
Intervention Required - Short Paper	30034	34 Short Paper	✓	✓
Intervention Required - Flash Full	30035	52 Flash Full	X	X
Intervention Required - Disk Full	30035	62 Disk Full	X	X
Intervention Required - Defective Flash	30036	51 Defective Flash	X	X

✓ = Supported X = Not supported			Printer model	
Message	Status code	Return string	C950	X950, X952, X954
Intervention Required - Unformatted Flash	30036	53 Unformatted Flash	X	X
Intervention Required - Defective Disk	30036	61 Defective Disk	X	X
Intervention Required - Unformatted Disk	30036	63 Unformatted Disk	X	X
Intervention Required - Scheduled Maintenance	30075	80 Scheduled Maintenance	X	X
Intervention Required - Scheduled Maintenance	30075	80 Scheduled maintenance ADF kit	X	✓
Intervention Required - Res Save Off Deficient	30076	35 Insufficient memory to support Resource Save feature	✓	✓
Intervention Required - Insufficient memory	30076	35 Insufficient memory to support Resource Save feature	✓	✓
Intervention Required - Resource Save Off Deficient Memory	30076	35 Res Save Off Deficient Memory	✓	✓
Intervention Required - Insufficient Collation Area	30076	37 Insufficient Collation Area	X	X
Intervention Required - Service Required	30095	36 Printer service required	X	X
Intervention Required - Empty Box M	30107	Empty Box M	X	X
Intervention Required - Empty Hole Punch Box	30107	Empty Hole Punch Box	✓	✓
Intervention Required - Insert Box M	30107	Insert Box M	X	X
Intervention Required - Insert Staple Cartridge	30107	Insert staple cartridge	X	X
Intervention Required - Insert Stapler	30107	Insert Stapler	X	X

✓ = Supported X = Not supported			Printer model	
Message	Status code	Return string	C950	X950, X952, X954
Intervention Required - Priming Failed	30107	Priming Failed, Retry. Go/Stop?	X	X
Intervention Required - Network [x] Software Error	30112	54 Network [x] Software Error	✓	✓
Intervention Required - Serial [x] Fax Connection Lost	30112	54 Ser [x] Fax Connection Lost	X	X
Intervention Required - Serial Option [x] Error	30112	54 Serial Option [x] Error	✓	✓
Intervention Required - Serial Port [x] Disabled	30112	56 Serial Port [x] Disabled	✓	✓
Intervention Required - USB Port Disabled	30112	56 USB Port [x] Disabled	✓	✓
Intervention Required - Parallel [x] ENA Connection Lost	30113	54 Par [x] ENA Connection Lost	X	X
Intervention Required - Parallel [x] Port Disabled	30113	56 Parallel Port [x] Disabled	✓	✓
Intervention Required - Disk Operation Failed Faxes on Disk	32001	Operation Failed Faxes on Disk	X	X
Intervention Required - Disk Operation Failed Jobs on Disk	32001	Operation Failed Jobs on Disk	X	X
Intervention Required - Flash Full	32002	52 Flash Full	✓	✓
Intervention Required - Flash Full	32002	52 Not enough free space in flash memory for resources	✓	✓
Intervention Required - Disk Full	32002	62 Disk full	✓	✓
Intervention Required - Disk Corrupted	32015	Disk Corrupted	X	X
Intervention required - Disk Corrupted. Reformat?	32015	Disk Corrupted. Reformat?	X	X

✓ = Supported X = Not supported			Printer model	
Message	Status code	Return string	C950	X950, X952, X954
Intervention required - Too Many Bins Attached	32030	58 Too many bins attached	X	X
Intervention Required - Too Many Flash Options Installed	32030	58 Too Many Flash Options	✓	✓
Intervention Required - Too Many Flash Options Installed	32030	58 Too many flash options installed	✓	✓
Intervention Required - Unformatted Flash	32052	53 Unformatted Flash	✓	✓
Intervention Required - Unformatted Flash Detected	32052	53 Unformatted Flash detected	✓	✓
Intervention Required - Unformatted Disk	32052	63 Unformatted disk	X	X
Intervention Required - Unsupported Disk Format	32052	64 Unsupported Disk Format	X	X
Intervention Required - Defective Flash	32056	51 Defective Flash	✓	✓
Intervention Required - Defective Flash	32056	51 Defective flash detected	✓	✓
Intervention Required - Defective Disk	32056	61 Defective Disk	X	X
Intervention Required - Defective Disk	32056	61 Remove defective disk	X	X
Intervention Required - Scheduled Maintenance	35075	80 Scheduled Maintenance	X	X
Intervention Required - Scheduled Maintenance	35075	81 Scheduled Maintenance	X	X
Intervention Required - Scheduled Maintenance	40315	81 Scheduled Maintenance [x]	✓	✓
Intervention Required - Scheduled Maintenance	40316	81 Scheduled Maintenance [x]	✓	✓
Intervention Required - Belt Life Warning	40038	80 Belt Life Warning	X	X

✓ = Supported X = Not supported			Printer model	
Message	Status code	Return string	C950	X950, X952, X954
Intervention Required - Belt Exhausted	40038	80 Belt Exhausted	X	X
Intervention Required - Fuser Maintenance	40038	80 Fuser Maintenance	X	X
Intervention Required - Fuser Life Warning	40038	80 Fuser Life Warning	X	X
Intervention Required - Fuser Exhausted	40038	80 Fuser Exhausted	X	X
Intervention Required - Fuser/Belt Life Warning	40038	80 Fuser/Belt Life Warning	X	X
Intervention Required - Fuser/Belt Exhausted	40038	80 Fuser/Belt Exhausted	X	X
Intervention Required - ITU Maintenance	40038	83 ITU Maintenance	X	X

PJI messages for attendance conditions

✓ = Supported X = Not supported			Printer model	
Message	Status code	Return string	C950	X950, X952, X954
Intervention Required - Too Many Bins Attached	32030	58 Too many bins attached	X	X
Intervention Required - Too Many Flash Options Installed	32030	58 Too many flash options installed	X	X
Intervention Required - Remove Defective Disk	32056	61 Remove defective disk	✓	✓
Intervention Required - Defective Flash	32056	61 Defective flash detected	✓	✓
Intervention Required - Insert Hole Punch Box	40010	Insert Hole Punch Box	X	X
Intervention Required - Insert PC Cartridge	40010	Insert PC Cartridge	X	X

* This message contains a subset of letters CMYK, where CMYK denotes Cyan, Magenta, Yellow, and Black cartridges, respectively.

✓ = Supported X = Not supported			Printer model	
Message	Status code	Return string	C950	X950, X952, X954
Intervention Required - 30 CMYK* Print Unit Missing	40010	30 CMYK* Print Unit Missing	X	X
Intervention Required - 30 Coating Roll Missing	40010	30 Coating Roll Missing	X	X
Intervention Required - Remove Originals from Scanner ADF	40019	Remove originals from the scanner automatic document feeder	X	X
Intervention Required - Remove Paper Standard Bin	40019	Remove paper from standard output bin	✓	✓
Intervention Required - Install MICR cartridge	40020	Install MICR cartridge	X	X
Intervention Required - Cartridge Life Expired	40021	Cartridge Life Expired CMYK*	X	X
Intervention Required - Cartridge Life Warning	40021	Cartridge Life Warning CMYK*	X	X
Intervention Required - Change Cartridge Invalid Refill	40021	Change Cartridge Invalid Refill	X	X
Intervention Required - Close Cover <x>	40021	Close cover <x>	✓	✓
Intervention Required - Printer Cover Open	40021	Close Cover	X	X
Intervention Required - Close Toner Box Cover	40021	Close Cover	X	X
Intervention Required - Close Deflector G	40021	Close Deflector G	X	X
Intervention Required - Close Door	40021	Close Door	✓	✓
Intervention Required - Close Door <x>	40021	Close door <x>	✓	✓

* This message contains a subset of letters CMYK, where CMYK denotes Cyan, Magenta, Yellow, and Black cartridges, respectively.

✓ = Supported X = Not supported			Printer model	
Message	Status code	Return string	C950	X950, X952, X954
Intervention Required - Close Door Insert Cartridge	40021	Close door or insert cartridge	X	X
Intervention Required - Close Finisher Door	40021	Close Finisher Door	X	X
Intervention Required - Close Finisher Side Door	40021	Close Finisher Side Door	X	X
Intervention Required - Close Finisher Top Cover	40021	Close Finisher Top Cover	X	X
Intervention Required - Close Front Door	40021	Close Front Door	X	X
Intervention Required - Close Side Door	40021	Close Side Door	X	X
Intervention Required - Close Surface	40021	Close surface H	X	X
Intervention Required - Close Cover	40021	Close top access cover	X	X
Intervention Required - Close Cover and Door	40021	Close top access cover and front door	X	X
Intervention Required - Close Door	40021	Close <tray> door	X	X
Intervention Required - Close Tray <x> Top Cover	40021	Close Tray <x> Top Cover	X	X
Intervention Required - Printer Upper Door Open	40021	Cover Open, Close Top Covers, Close Door, or Insert Cartridge	X	X
Intervention Required - Insert Print Cartridge	40021	Insert Print Cartridge	X	X
Intervention Required - Open Cover	40021	Open Cover	X	X
Intervention Required - Open Rear Door	40021	Open Rear Door	X	X

* This message contains a subset of letters CMYK, where CMYK denotes Cyan, Magenta, Yellow, and Black cartridges, respectively.

✓ = Supported X = Not supported			Printer model	
Message	Status code	Return string	C950	X950, X952, X954
Intervention Required - Invalid Refill	40021	30 Invalid Refill Change Cartridge	X	X
Intervention Required - Defective Ink Cartridge	40021	31 Defective Cartridge CMYK*	X	X
Intervention Required - Defective Print Cartridge	40021	31 Defective Print Cartridge	X	X
Intervention Required - Missing Cartridge	40021	31 Missing Cartridge CMYK*	X	X
Intervention Required - Missing Printhead	40021	31 Missing Printhead	X	X
Intervention Required - Defective Print Cartridge	40021	31 Replace defective cartridge	X	X
Intervention Required - Invalid Refill	40021	31.xx Invalid refill, change cartridge	X	X
Intervention Required - Defective Print Cartridge	40021	31.xx Replace defective cartridge	X	X
Intervention Required - Defective Print Cartridge	40021	31.xx Replace defective print cartridge	X	X
Intervention Required - Unsupported Cartridge	40021	32 Unsupported Cartridge	X	X
Intervention Required - Unsupported CMYK* Cartridge	40021	32 Unsupported CMYK* Cartridge	X	X
Intervention Required - Unsupported Print Cartridge	40021	32 Unsupported Print Cartridge	X	X
Intervention Required - Unsupported Printhead	40021	32 Unsupported Printhead	X	X
Intervention Required - Unsupported Cartridge	40021	32.xx Cartridge part number unsupported by device	X	X

* This message contains a subset of letters CMYK, where CMYK denotes Cyan, Magenta, Yellow, and Black cartridges, respectively.

✓ = Supported X = Not supported			Printer model	
Message	Status code	Return string	C950	X950, X952, X954
Intervention Required - Tray Size Sense Error	40021	40 Tray <x> Size Sense Error	X	X
Intervention Required - Open Bin Exit Tray	40021	41 Open Bin 1 Exit Tray	X	X
Intervention Required - Cartridge Region Mismatch	40021	42.xy Cartridge region mismatch	X	X
Intervention Required - Paper Jam	40022	2xx Paper Jam	X	X
Intervention Required - Remove Packaging Material	40025	Remove packaging material	✓	✓
Intervention Required - Waste Toner Missing	40025	82 Waste toner bottle missing	X	X
Intervention Required - Waste Toner Bottle Missing	40025	82.xx Waste toner bottle missing	✓	✓
Intervention Required - Check Tray Connection	40027	Check tray <source #> connection	X	X
Intervention Required - Install Tray <x> or Cancel Job	40027	Install Tray <x>	X	X
Intervention Required - Install Tray <x> or Cancel Job	40027	Install Tray <x> or Cancel Job	X	X
Intervention Required - Install Envelope Feeder	40028	Install envelope feeder	X	X
Intervention Required - Install Env Feeder or Cancel Job	40028	Install Env Feed or Cancel Job	X	X
Intervention Required - Reattach Envelope Feeder	40028	Reattach Envelope Feeder	X	X
Intervention Required - Reattach MP Feeder	40028	Reattach MP Feeder	X	X

* This message contains a subset of letters CMYK, where CMYK denotes Cyan, Magenta, Yellow, and Black cartridges, respectively.

✓ = Supported X = Not supported			Printer model	
Message	Status code	Return string	C950	X950, X952, X954
Intervention Required - Check Finisher Installation	40029	Check Finisher Installation	X	X
Intervention Required - Check Mailbox Installation	40029	Check Mailbox Installation	X	X
Intervention Required - Install Bin <x> or Cancel Job	40029	Install Bin <x> or Cancel Job	X	X
Intervention Required - Reattach Bin	40029	Reattach bin <x>	X	X
Intervention Required - Reattach Bins	40029	Reattach Bins <bin #x-bin #y>	X	X
Intervention Required - Reattach Output Bin	40029	Reattach Output Bin <bin #>	X	X
Intervention Required - Tray Config Error	40030	33 Tray <x> Config Error	X	X
Intervention Required - Input Config Error	40030	58 Input config error	X	X
Intervention Required - Too Many Bins Attached	40030	58 Too Many Bins Attached	X	X
Intervention Required - Too Many Disks Installed	40030	58 Too many disks installed	✓	✓
Intervention Required - Too Many Trays Attached	40030	58 Too many trays attached	X	X
Intervention Required - Too Many Disks Installed	40036	58 Too Many Disks Installed	X	X
Intervention Required - PerfectFinish Missing	40037	31 PerfectFinish Missing	X	X
Intervention Required - PerfectFinish Empty	40037	87 PerfectFinish Empty	X	X

* This message contains a subset of letters CMYK, where CMYK denotes Cyan, Magenta, Yellow, and Black cartridges, respectively.

✓ = Supported X = Not supported			Printer model	
Message	Status code	Return string	C950	X950, X952, X954
Intervention Required - Replace Oil Coating Roll	40038	Replace Oil Coating Roll	X	X
Intervention Required - Replace PC Kit	40038	Replace PC Kit	X	X
Intervention Required - Replace PC Kit To Continue	40038	Replace PC Kit To Continue	X	X
Intervention Required - Replace Toner Cartridge	40038	Replace Toner Cartridge	X	X
Intervention Required - Replace Toner Cartridge To Continue	40038	Replace Toner To Continue	X	X
Intervention Required - 84 All Photo Devs Exhausted	40038	84 All Photo Devs Exhausted	X	X
Intervention Required - 84 Black Photo Dev Exhausted	40038	84 Black Photo Dev Exhausted	X	X
Intervention Required - 84 Black Photo Dev Life Warning	40038	84 Black Photo Dev Life Warning	X	X
Intervention Required - 84 Color Photo Dev Life Warning	40038	84 Color Photo Dev Life Warning	X	X
Intervention Required - Cartridge Low	40038	88 Cartridge Low	X	X
Intervention Required - [Color] Cartridge Low	40038	88 [Color] cartrid ge is low	X	X
Intervention Required - Toner Low	40038	88 Cartridge low	X	X
Intervention Required - Cartridge Low	40038	88 Cartridge Low <CMYK>	X	X
Intervention Required - Toner Low	40038	88 Toner is low	X	X

* This message contains a subset of letters CMYK, where CMYK denotes Cyan, Magenta, Yellow, and Black cartridges, respectively.

✓ = Supported X = Not supported			Printer model	
Message	Status code	Return string	C950	X950, X952, X954
Intervention Required - Toner Low	40038	88 Toner Low	X	X
Intervention Required - Toner Low	40038	88 Yellow Toner Low	X	X
		88 Magenta Toner Low		
		88 Cyan Toner Low		
		88 Black Toner Low		
Intervention Required - Toner Low	40038	88 Color Print Cartridge Low	X	X
		88 Black Print Cartridge Low		
		88 Photo Print Cartridge Low		
		88 Yellow Toner Empty		
Intervention Required - Toner Low	40038	88 Magenta Toner Empty	X	X
		88 Cyan Toner Empty		
		88 Black Toner Empty		
		88 Black Toner Empty		
Intervention Required - Cartridge Nearly Low	40038	88.xx Cartridge nearly low	X	X
Intervention Required - Cartridge Empty	40039	89 Cartridge Empty <CMYK>	X	X
Intervention Required - Load Staples	40040	Load Staples	X	X
Intervention Required - Priming Failed. Retry?	40041	Priming Failed. Retry?	X	X
Intervention Required - OPMSG	40048	OPMSG message	X	X
Intervention Required - PJI OP Message	40048	OPMSG message	X	X

* This message contains a subset of letters CMYK, where CMYK denotes Cyan, Magenta, Yellow, and Black cartridges, respectively.

✓ = Supported X = Not supported			Printer model	
Message	Status code	Return string	C950	X950, X952, X954
Intervention Required - STMSG	40049	STMSG message	X	X
Intervention Required - PJI ST Message	40049	STMSG message	X	X
Intervention Required - Replace Fuser	40050	Replace Fuser	X	X
Intervention Required - Replace Transfer Kit	40050	Replace Transfer Kit	X	X
Intervention Required - Incompatible Bin <x>	40087	59 Incompatible Bin <x>	X	X
Intervention Required - Incompatible Bin <x>	40087	59 Incompatible output bin <x>	X	X
Intervention Required - Incompatible Duplex	40088	59 Incompatible Duplex	X	X
Intervention Required - Incompatible Duplex	40088	59 Incompatible duplex	X	X
Intervention Required - Incompatible Tray <x>	40089	59 Incompatible Tray <x>	X	X
Intervention Required - Incompatible Tray <x>	40089	59 Incompatible tray <x>	X	X
Intervention Required - Incompatible Envelope Feeder	40090	59 Incompatible Envelope Feeder	X	X
Intervention Required - Incompatible Envelope Feeder	40090	59 Incompatible envelope feeder	X	X
Intervention Required - Check Duplex Connection	40095	Check Duplex Connection	X	X
Intervention Required - Check Duplex Connection	40095	Check duplex connection	X	X
Intervention Required - Install Duplex or Cancel Job	40095	Install Duplex or Cancel Job	X	X

* This message contains a subset of letters CMYK, where CMYK denotes Cyan, Magenta, Yellow, and Black cartridges, respectively.

✓ = Supported X = Not supported			Printer model	
Message	Status code	Return string	C950	X950, X952, X954
Intervention Required - Install Duplex or Cancel Job	40095	Install duplex	X	X
Intervention Required - Duplex Cover Open	40096	Close Duplex Door	X	X
Intervention Required - Insert Duplex Option	40096	Insert Duplex Option	X	X
Intervention Required - Load Staples	40101	Load Staples	✓	✓
Intervention Required - Insert Hole Punch Box	40107	Insert the hole punch box	✓	✓
Intervention Required - Replace Color PC Units	40129	84 Replace color PC Units	X	X
Intervention Required - Replace Photoconductor	40129	84.xx Replace [Color] photoconductor	✓	✓
Intervention Required - Replace Waste Toner Bottle	40141	82.xx Replace waste toner bottle	✓	✓
Intervention Required - Replace Waste Toner	40141	82 Replace waste toner bottle	X	X
Intervention Required - Waste Toner Bottle Nearly Full	40141	82.xx Waste toner bottle nearly full	✓	✓
Intervention Required - Waste Toner Nearly Full	40141	82 Waste toner bottle nearly full	X	X
Intervention Required - Transfer Module Missing	40143	83.xx Transfer module missing	X	X
Intervention Required - Cartridge Low	40200	88.xx black cartridge low	✓	✓
Intervention Required - Cartridge Nearly Low	40200	88.1x black cartridge nearly low	X	X
Intervention Required - Replace Cartridge	40200	88.2x Replace black cartridge	✓	✓

* This message contains a subset of letters CMYK, where CMYK denotes Cyan, Magenta, Yellow, and Black cartridges, respectively.

✓ = Supported X = Not supported			Printer model	
Message	Status code	Return string	C950	X950, X952, X954
Intervention Required - Cartridge Low	40201	88.xx cyan cartridge low	✓	✓
Intervention Required - Cartridge Nearly Low	40201	88.1x cyan cartridge nearly low	X	X
Intervention Required - Replace Cartridge	40201	88.2x Replace cyan cartridge	✓	✓
Intervention Required - Cartridge Low	40202	88.xx magenta cartridge low	✓	✓
Intervention Required - Cartridge Nearly Low	40202	88.1x magenta cartridge nearly low	X	X
Intervention Required - Replace Cartridge	40202	88.2x Replace magenta cartridge	X	X
Intervention Required - Cartridge Low	40203	88.xx yellow cartridge low	✓	✓
Intervention Required - Cartridge Nearly Low	40203	88.1x yellow cartridge nearly low	X	X
Intervention Required - Replace Cartridge	40203	88.2x Replace yellow cartridge	✓	✓
Black PC Unit Life Warning	40204	84 Black pc unit life warning	X	X
Intervention Required - Unsupported PC Unit	40204	84 unsupported [color] pc unit	X	X
Intervention Required - Color PC Units Life Warning	40204	84.xx Color PC Unit Life warning	X	X
Intervention Required - PC Kit Life Warning	40204	84 PC kit life warning	X	X
Intervention Required - Photoconductor Low	40204	84.xx [Color] photoconductor low	✓	✓

* This message contains a subset of letters CMYK, where CMYK denotes Cyan, Magenta, Yellow, and Black cartridges, respectively.

✓ = Supported X = Not supported			Printer model	
Message	Status code	Return string	C950	X950, X952, X954
Intervention Required - Photoconductor Low	40204	84 Photoconductor low	X	X
Intervention Required - Photoconductor Nearly Low	40204	84.xx [color] photoconductor nearly low	X	X
Intervention Required - Transfer Module Life Warning	40215	83.xx Transfer module life warning	X	X
Intervention Required - Transfer Module Near Life Warning	40215	83.xx Transfer module near life warning	X	X
Intervention Required - Fuser Life Warning	40216	87 Fuser Life Warning	X	X
Intervention Required - Fuser Life Warning	40216	80.xx Fuser life warning	X	X
Intervention Required - Fuser Near Life Warning	40216	80.xx Fuser near life warning	X	X
Intervention Required - Replace Toner	40300	88 Replace black toner	X	X
Intervention Required - Replace Toner	40301	88 Replace cyan toner	X	X
Intervention Required - Replace Toner	40302	88 Replace magenta toner	X	X
Intervention Required - Replace Toner	40303	88 Replace yellow toner	X	X
Intervention Required - Replace PC Kit	40304	84 Replace PC Kit	X	X
Intervention Required - Replace Photoconductor	40304	84 Replace photoconductor	X	X
Intervention Required - 84 Replace Black PC Unit	40305	84 Replace black PC Unit	X	X

* This message contains a subset of letters CMYK, where CMYK denotes Cyan, Magenta, Yellow, and Black cartridges, respectively.

✓ = Supported X = Not supported			Printer model	
Message	Status code	Return string	C950	X950, X952, X954
Intervention Required - Cartridge Part Number Unsupported	40309	32.xx black cartridge part number unsupported by device	✓	✓
Intervention Required - Replace unsupported cartridge	40309	32.xx Replace unsupported black cartridge	X	X
Intervention Required - Invalid Refill, Change Cartridge	40309	40 black invalid refill, change cartridge	X	X
Intervention Required - Cartridge Part Number Unsupported	40310	32.xx cyan cartridge part number unsupported by device	✓	✓
Intervention Required - Replace unsupported cartridge	40310	32.xx Replace unsupported cyan cartridge	X	X
Intervention Required - Invalid Refill, Change Cartridge	40310	40 cyan invalid refill, change cartridge	X	X
Intervention Required - Cartridge Part Number Unsupported	40311	32.xx magenta cartridge part number unsupported by device	✓	✓
Intervention Required - Replace unsupported cartridge	40311	32.xx Replace unsupported magenta cartridge	X	X
Intervention Required - Invalid Refill, Change Cartridge	40311	40 magenta invalid refill, change cartridge	X	X
Intervention Required - Cartridge Part Number Unsupported	40312	32.xx yellow cartridge part number unsupported by device	✓	✓

* This message contains a subset of letters CMYK, where CMYK denotes Cyan, Magenta, Yellow, and Black cartridges, respectively.

✓ = Supported X = Not supported			Printer model	
Message	Status code	Return string	C950	X950, X952, X954
Intervention Required - Replace unsupported cartridge	40312	32.xx Replace unsupported yellow cartridge	X	X
Intervention Required - Invalid Refill, Change Cartridge	40312	40 yellow invalid refill, change cartridge	X	X
Intervention Required - Scheduled Maintenance	40315	80 Scheduled maintenance [x] Note: [x] indicates 600K kit.	✓	✓
Intervention Required - Replace Transfer Module	40315	83.xx Replace transfer module	X	X
Intervention Required - Replace Fuser	40316	80.xx Replace fuser	X	X
Intervention Required - Replace Fuser	40316	87.xx Replace fuser	X	X
Intervention Required - Scheduled Maintenance	40316	80 Scheduled maintenance [x] Note: [x] indicates 100K kit.	✓	✓
Intervention Required - Replace Cartridge	40400	31.xx Replace defective or missing cartridge	X	X
Intervention Required - Insert Photoconductor	40404	84 Insert photoconductor	X	X
Intervention Required -	40404	84 Photoconductor abnormal	X	X
Intervention Required - [Color] PC Unit Missing	40405	84.41 Black PC Unit missing	✓	✓
Intervention Required - [Color] Photoconductor Missing	40405	84.41 Black photoconductor missing	X	X
Intervention Required - [Color] PC Unit Missing	40406	84.41 Cyan PC Unit missing	✓	✓

* This message contains a subset of letters CMYK, where CMYK denotes Cyan, Magenta, Yellow, and Black cartridges, respectively.

✓ = Supported X = Not supported			Printer model	
Message	Status code	Return string	C950	X950, X952, X954
Intervention Required - [Color] Photoconductor Missing	40406	84.41 Cyan photoconductor missing	X	X
Intervention Required - [Color] PC Unit Missing	40407	84.41 Magenta PC Unit missing	✓	✓
Intervention Required - [Color] Photoconductor Missing	40407	84.41 Magenta photoconductor missing	X	X
Intervention Required - [Color] PC Unit Missing	40408	84.41 Yellow PC Unit missing	✓	✓
Intervention Required - [Color] Photoconductor Missing	40408	84.41 Yellow photoconductor missing	X	X
Intervention Required - Toner Cartridge Missing	40409	30.xx Black toner cartridge missing	X	X
Intervention Required - Defective Cartridge	40409	31.xx Defective black cartridge	X	X
Intervention Required - Missing or Defective Cartridge	40409	31.41 Missing or defective black cartridge	X	X
Intervention Required - Toner Cartridge Missing	40410	30.xx Cyan toner cartridge missing	X	X
Intervention Required - Defective Cartridge	40410	31.xx Defective cyan cartridge	X	X
Intervention Required - Missing or Defective Cartridge	40410	31.41 Missing or defective cyan cartridge	X	X
Intervention Required - Toner Cartridge Missing	40411	30.xx Magenta toner cartridge missing	X	X
Intervention Required - Defective Cartridge	40411	31.xx Defective magenta cartridge	X	X

* This message contains a subset of letters CMYK, where CMYK denotes Cyan, Magenta, Yellow, and Black cartridges, respectively.

✓ = Supported X = Not supported			Printer model	
Message	Status code	Return string	C950	X950, X952, X954
Intervention Required - Missing or Defective Cartridge	40411	31.41 Missing or defective magenta cartridge	X	X
Intervention Required - Toner Cartridge Missing	40412	30.xx Yellow toner cartridge missing	X	X
Intervention Required - Defective Cartridge	40412	31.xx Defective yellow cartridge	X	X
Intervention Required - Missing or Defective Cartridge	40412	31.41 Missing or defective yellow cartridge	X	X
Intervention Required - Fuser Missing	40416	80.xx Fuser missing	X	X
Intervention Required - Fuser Missing	40416	87.xx Fuser missing	X	X
Intervention Required - Insert Duplex Pages in Tray <x>	41202	Reload printed pages in Tray <x>	X	X

* This message contains a subset of letters CMYK, where CMYK denotes Cyan, Magenta, Yellow, and Black cartridges, respectively.

PJI messages for paper handling

✓ = Supported X = Not supported			Printer model	
Message	Status code	Return string	C950	X950, X952, X954
Intervention Required - Tray <x> Empty	11xyy	Tray <source #> Empty	X	X
Intervention Required - Tray <x> Missing	12x01	Tray <source #> Missing	X	X
Intervention Required - Bin <x> Full	15ww1	Bin <Bin #> Full	X	X
Intervention Required - Wrong Paper Size in Tray <x>	30034	34 Wrong Paper Size in Tray <x>	X	X

✓ = Supported X = Not supported			Printer model	
Message	Status code	Return string	C950	X950, X952, X954
Intervention Required - Wrong Paper Size Manual Feed	30034	34 Wrong Paper Size Manual Feed	X	X
Intervention Required - Remove Paper All Output Bins	40019	Remove Paper All Output Bins	X	X
Intervention Required - Remove Paper From All Bins	40019	Remove paper from all bins	✓	✓
Intervention Required - Remove Paper From <bin #>	40019	Remove paper from bin <bin #>	✓	✓
Intervention Required - Remove Paper <linked set bin name>	40019	Remove paper from <linked set bin name>	✓	✓
Intervention Required - Remove Paper From Standard Output Bin	40019	Remove paper from standard output bin	✓	✓
Intervention Required - Remove Paper <linked set bin name>	40019	Remove Paper <linked set bin name>	✓	✓
Intervention Required - Remove Paper Outbin <bin #>	40019	Remove Paper Output Bin <bin #>	✓	✓
Intervention Required - Remove Paper Standard Bin	40019	Remove Paper Standard Bin	✓	✓
Intervention Required - Photoconductor Exposure Warning	40025	Photoconductor exposure warning	X	X
Intervention Required - Check <Source> Orientation or Guides	4100x	Check <source> orientation or guides	✓	✓
Intervention Required - Check <Source> Paper Guide	4100x	Check <source> Paper Guide	X	X
Intervention Required - Incorrect Media	41xy	Paper changes needed	X	X

✓ = Supported X = Not supported			Printer model	
Message	Status code	Return string	C950	X950, X952, X954
Intervention Required - Load [src] [Custom Type Name]	41xyy	Load [src] with [Custom Type Name]	✓	✓
Intervention Required - Load [src] [Custom String]	41xyy	Load [src] with [Custom String]	✓	✓
Intervention Required - Load [src] [size]	41xyy	Load [src] with [size]	✓	✓
Intervention Required - Load [src] [type] [size]	41xyy	Load [src] with [type] [size]	✓	✓
Intervention Required - Load Manual [Custom Type Name]	41xyy	Load single sheet feeder with [Custom Type Name]	X	X
Intervention Required - Load Manual [Custom String]	41xyy	Load single sheet feeder with [Custom String]	X	X
Intervention Required - Load Manual [size]	41xyy	Load single sheet feeder with [size]	X	X
Intervention Required - Load Manual [type] [size]	41xyy	Load single sheet feeder with [type] [size]	X	X
Intervention Required - Change Request	41xyy	Change <src> to <Custom Type Name>	✓	✓
Intervention Required - Change Request		Change <src> to <Custom Type Name>, load <orientation>	✓	✓
Intervention Required - Change Request		Change <src> to <Custom String>	✓	✓
Intervention Required - Change Request		Change <src> to <Custom String> load <orientation>	✓	✓
Intervention Required - Change Request		Change <src> to <type> <size>	✓	✓

✓ = Supported X = Not supported			Printer model	
Message	Status code	Return string	C950	X950, X952, X954
Intervention Required - Change Request		Change <src> to <type> <size> load <orientation>	✓	✓
Intervention Required - Load Manual Request	41xxy	Load Manual Feeder with <Custom Type Name>	✓	✓
Intervention Required - Load Manual Request	41xxy	Load Manual Feeder with <Custom String>	✓	✓
Intervention Required - Load Manual Request	41xxy	Load Manual Feeder with <size>	✓	✓
Intervention Required - Load Manual Request	41xxy	Load Manual Feeder with <type><size>	✓	✓
Intervention Required - Incorrect Media	41xxy	34 Incorrect Media	✓	✓
Intervention Required - Insert Duplex Pages & Press Go.	412yy	Insert Duplex Pages & Press Go.	X	X
Intervention Required - Insert Tray Request	4300x	Insert Tray <x>	✓	✓

PJI messages for paper jams

✓ = Supported X = Not supported	Status code	Printer model	
		C950	X950, X952, X954
Intervention Required - Paper Jam	4200x	X	X
Intervention Required - Paper Jam	4200z	X	X
Intervention Required - Paper Jam	4201x	X	X
Intervention Required - Paper Jam	4201z	✓	✓
Intervention Required - Paper Jam	4202x	X	X
Intervention Required - Paper Jam	4202z	✓	✓
Intervention Required - Paper Jam	4203x	X	X
Intervention Required - Paper Jam	4203z	✓	✓
Intervention Required - Paper Jam	4204x	X	X
Intervention Required - Paper Jam	4205x	X	X
Intervention Required - Paper Jam	4206x	X	X
Intervention Required - Paper Jam	4207x	X	X
Intervention Required - Paper Jam	4208x	X	X
Intervention Required - Paper Jam	4209x	X	X
Intervention Required - Paper Jam	4210x	X	X

w indicates this message includes a letter indicating a door or cover that needs to be opened.
x represents the number of jammed pages in the printer.
y represents the tray number.
z represents the bin number.

✓ = Supported X = Not supported	Status code	Printer model	
		C950	X950, X952, X954
Intervention Required - Paper Jam	4211x	X	X
Intervention Required - Paper Jam	4220x	X	X
Intervention Required - Paper Jam	4221x	X	X
Intervention Required - Paper Jam	4222x	X	X
Intervention Required - Paper Jam	4230x	X	X
Intervention Required - Paper Jam	4230z	✓	✓
Intervention Required - Paper Jam	4231x	X	X
Intervention Required - Paper Jam	4231z	X	X
Intervention Required - Paper Jam	4232x	X	X
Intervention Required - Paper Jam	4233x	X	X
Intervention Required - Paper Jam	4234	X	X
Intervention Required - Paper Jam	424yx	X	X
Intervention Required - Paper Jam	424xz	✓	✓
Intervention Required - Paper Jam	4241wy	X	X
Intervention Required - Paper Jam	4241z	X	X
Intervention Required - Paper Jam	4242wy	X	X

w indicates this message includes a letter indicating a door or cover that needs to be opened.
x represents the number of jammed pages in the printer.
y represents the tray number.
z represents the bin number.

✓ = Supported X = Not supported	Status code	Printer model	
		C950	X950, X952, X954
Intervention Required - Paper Jam	4242z	X	X
Intervention Required - Paper Jam	4243w	X	X
Intervention Required - Paper Jam	4243z	X	X
Intervention Required - Paper Jam	4244wy	X	X
Intervention Required - Paper Jam	4244z	X	X
Intervention Required - Paper Jam	4245w	X	X
Intervention Required - Paper Jam	4246w	X	X
Intervention Required - Paper Jam	4247wy	X	X
Intervention Required - Paper Jam	4248w	X	X
Intervention Required - Paper Jam	4249w	X	X
Intervention Required - Paper Jam	4250w	X	X
Intervention Required - Paper Jam	4250x	X	X
Intervention Required - Paper Jam	4250z	✓	✓
Intervention Required - Paper Jam	4251wy	X	X
Intervention Required - Paper Jam	4251x	X	X
Intervention Required - Paper Jam	4252w	X	X

w indicates this message includes a letter indicating a door or cover that needs to be opened.
x represents the number of jammed pages in the printer.
y represents the tray number.
z represents the bin number.

✓ = Supported X = Not supported	Status code	Printer model	
		C950	X950, X952, X954
Intervention Required - Paper Jam	4253w	X	X
Intervention Required - Paper Jam	4254wy	X	X
Intervention Required - Paper Jam	4255	X	X
Intervention Required - Paper Jam	4256w	X	X
Intervention Required - Paper Jam	4257w	X	X
Intervention Required - Paper Jam	4258w	X	X
Intervention Required - Paper Jam	4259wy	X	X
Intervention Required - Paper Jam	4260w	X	X
Intervention Required - Paper Jam	4260x	X	X
Intervention Required - Paper Jam	4260z	X	X
Intervention Required - Paper Jam	4261w	X	X
Intervention Required - Paper Jam	4261x	X	X
Intervention Required - Paper Jam	427xz	X	X
Intervention Required - Paper Jam	427zx	✓	✓
Intervention Required - Paper Jam	4271	X	X
Intervention Required - Paper Jam	4271z	X	X

w indicates this message includes a letter indicating a door or cover that needs to be opened.
x represents the number of jammed pages in the printer.
y represents the tray number.
z represents the bin number.

✓ = Supported X = Not supported	Status code	Printer model	
		C950	X950, X952, X954
Intervention Required - Paper Jam	4272	X	X
Intervention Required - Paper Jam	4272z	X	X
Intervention Required - Paper Jam	4273	X	X
Intervention Required - Paper Jam	4280w	X	X
Intervention Required - Paper Jam	4280x	X	X
Intervention Required - Paper Jam	4280z	✓	✓
Intervention Required - Paper Jam	4281w	X	X
Intervention Required - Paper Jam	4281x	X	X
Intervention Required - Paper Jam	4281z	✓	✓
Intervention Required - Paper Jam	4282w	X	X
Intervention Required - Paper Jam	4282x	X	X
Intervention Required - Paper Jam	4282z	X	X
Intervention Required - Paper Jam	4283w	X	X
Intervention Required - Paper Jam	4283x	X	X
Intervention Required - Paper Jam	4283z	✓	✓
Intervention Required - Paper Jam	4284w	X	X

w indicates this message includes a letter indicating a door or cover that needs to be opened.
x represents the number of jammed pages in the printer.
y represents the tray number.
z represents the bin number.

✓ = Supported X = Not supported	Status code	Printer model	
		C950	X950, X952, X954
Intervention Required - Paper Jam	4284x	X	X
Intervention Required - Paper Jam	4284z	X	X
Intervention Required - Paper Jam	4285w	X	X
Intervention Required - Paper Jam	4285z	X	X
Intervention Required - Paper Jam	4286w	X	X
Intervention Required - Paper Jam	4286z	X	X
Intervention Required - Paper Jam	4287	X	X
Intervention Required - Paper Jam	4287z	X	X
Intervention Required - Paper Jam	4288	X	X
Intervention Required - Paper Jam	4288z	X	X
Intervention Required - Paper Jam	4289	X	X
Intervention Required - Paper Jam	4289z	✓	✓
Intervention Required - Paper Jam	4290	X	X
Intervention Required - Paper Jam	4291	X	X
Intervention Required - Paper Jam	4292	X	X
Intervention Required - Paper Jam	4293	X	X

w indicates this message includes a letter indicating a door or cover that needs to be opened.
x represents the number of jammed pages in the printer.
y represents the tray number.
z represents the bin number.

√ = Supported X = Not supported		Printer model	
Message	Status code	C950	X950, X952, X954
Intervention Required - Paper Jam	4294	X	X
Intervention Required - Paper Jam	4295	X	X

w indicates this message includes a letter indicating a door or cover that needs to be opened.
x represents the number of jammed pages in the printer.
y represents the tray number.
z represents the bin number.

Service errors

√ = Supported X = Not supported		Printer model	
Message	Error code	C950	X950, X952, X954
ALL SERVICE MESSAGES	50000	X	X

Device attendance messages

√ = Supported X = Not supported		Printer model	
Message		C950	X950, X952, X954
RDYMSG		√	√
OPMSG		√	√
STMSG		√	√

Lexmark-unique PJI commands

These commands are Lexmark extensions which have been added to the PJI command set to provide the user with remote control of many printer functions.

√ = Supported X = Not supported		Printer model	
Command		C950	X950, X952, X954
LBEEP		√	√
LDOWNLOADTARGET		√	√

✓ = Supported X = Not supported	Printer model	
	C950	X950, X952, X954
Command		
LPORTROTATE	✓	✓
LPRINT testpage	✓	✓
• LPRINTDIRECTORY	✓	✓
• LPRINTTESTPAGE	✓	✓
• LPRINTMENUS	✓	✓
• LPRINTPCLFONTS	✓	✓
• LPRINTPSFONTS	✓	✓
LESCAPECHAR	✓	✓
LFAX PHONENUMBER	X	✓
LOPENFILE	✓	✓
LCLOSEFILE	✓	✓
LREADFILE	✓	✓
LWRITEFILE	✓	✓
LRUNFILE	✓	✓
LRENAMEFILE	✓	✓
LDELETEFILE	✓	✓
LFORMAT	✓	✓
LDEFRAG	✓	✓

File and device protection commands

✓ = Supported X = Not supported	Printer model	
	C950	X950, X952, X954
Command		
LDECLARE LRESOURCE	✓	✓
LDELETEPASSWORD	✓	✓
LQUERYSEEDLBPASSPASSWORD KEY	✓	✓

Appendix C: PostScript support

Supplemental operators

Operator name	Printer model	
	C950	X950, X952, X954
appletalktype	✓	✓
buildtime	✓	✓
byteorder	✓	✓
checkpassword	✓	✓
currentfilenameextend	✓	✓
currentmanualduplexmode	✓	✓
currentuniversalsize	✓	✓
defaulttimeouts	x	x
deletefile	✓	✓
devcontrol	✓	✓
devdismount	✓	✓
devforall	✓	✓
devformat	✓	✓
devmount	✓	✓
devstatus	✓	✓
diskonline	✓	✓
diskstatus	✓	✓
displayoperatormsg	✓	✓
doidlefonts	✓	✓
dojamrecovery	✓	✓
doprinterrors	✓	✓
doret	x	x
dostartpage	✓	✓

Operator name	Printer model	
	C950	X950, X952, X954
dosysstart	✓	✓
duplexer	✓	✓
duplexmode	✓	✓
enginesync	✓	✓
file	✓	✓
filenameforall	✓	✓
fileposition	✓	✓
firstside	✓	✓
fontnonzerowinding	✓	✓
hardwareiomode	✓	✓
idlefonts	✓	✓
ignoresize	✓	✓
initializedisk	✓	✓
jobname	✓	✓
jobsources	✓	✓
jobtimeout	x	x
manualfeed	✓	✓
manualfeedtimeout	x	x
newsheet	✓	✓
pagecount	✓	✓
pagesprinted	✓	✓
papertray	✓	✓
printername	✓	✓
product	✓	✓
PS2fonts	✓	✓
PS3fonts	✓	✓
quiet	✓	✓

Operator name	Printer model	
	C950	X950, X952, X954
ramsize	✓	✓
realformat	✓	✓
renamefile	✓	✓
resolution	✓	✓
revision	✓	✓
sccbatch	✓	✓
sccinteractive	✓	✓
setcoverpage	x	x
setdefaulttimeouts	✓	✓
setdoidlefonts	✓	✓
setdojamrecovery	✓	✓
setdoprintererrors	✓	✓
setdoret	x	x
setdostartpage	✓	✓
setdosysstart	✓	✓
setduplexmode	✓	✓
setenginesync	✓	✓
setethernetaddress	✓	✓
setfilenameextend	✓	✓
setfileposition	✓	✓
sethardwareiomode	✓	✓
setidlefonts	✓	✓
setignoresize	✓	✓
setjobtimeout	x	x
setmanualduplexmode	✓	✓
setpapertray	✓	✓
setprintername	✓	✓

✓ = Supported X = Not supported	Printer model	
	C950	X950, X952, X954
Operator name		
setquiet	✓	✓
setresolution	✓	✓
setscbatch	✓	✓
setscinteractive	✓	✓
setsoftwareiomode	✓	✓
settumble	✓	✓
setuniversalsize	✓	✓
setuserdiskpercent	✓	✓
softwareiomode	✓	✓
tumble	✓	✓
userdiskpercent	✓	✓
waittimeout	X	X

Page device parameters

✓ = Supported X = Not supported	Printer model	
	C950	X950, X952, X954
Key		
BeginPage	✓	✓
Collate	✓	✓
DeferredMediaSelection	✓	✓
DeviceRenderingInfo	✓	✓
• Screening	X	X
- ColorGrade	X	X
- PictureGrade	X	X
- IET	X	X
- IETImagesOnly	X	X
- IETPictureGrade	X	X
- None	X	X

Key	Printer model	
	C950	X950, X952, X954
✓ = Supported X = Not supported		
• TonerSaver	✓	✓
• PictureGrade	X	X
• ImageEnhancement	X	X
• ImageEnhancementType	X	X
• PrintDarkness	✓	✓
• AutoMediaType	✓	✓
• EdgeToEdge	X	X
• DefaultPoliciesPageSize	X	X
• SubstituteSize	✓	✓
• LineDetail	✓	✓
• Type	✓	✓
• ColorCorrection	✓	✓
• ColorBalance	✓	✓
• ColorSaver	✓	✓
• ImageBrightness	X	X
• Imageess	✓	✓
• ImageContrast	✓	✓
• ImageSaturation	✓	✓
• ManualColor	✓	✓
• PrintQuality	X	X
Duplex	✓	✓
EndPage	✓	✓
ExitJamRecovery	✓	✓
HWRResolution	✓	✓
ImagingBBox	✓	✓
InputAttributes	✓	✓
• 0 - Tray 1	✓	✓

Key	Printer model	
	C950	X950, X952, X954
✓ = Supported X = Not supported		
• 1 - Tray 2	✓	✓
• 2 - Envelope Feeder	✓	✓
• 3 - Tray 3	✓	✓
• 4 - Multipurpose Feeder	✓	✓
• 5 - Tray 4	✓	✓
• 6 - Tray 5	✓	✓
- PageSize	✓	✓
- MatchAll	✓	✓
- MediaColor	✓	✓
- MediaType	✓	✓
- MediaWeight	✓	✓
- InputLocation	✓	✓
• Mode	✓	✓
• Priority	✓	✓
Install	✓	✓
Jog	✓	✓
ManualFeed	✓	✓
ManualFeedTimeout	✓	✓
MediaColor	✓	✓
MediaPosition	✓	✓
MediaType	✓	✓
MediaWeight	✓	✓
NumCopies	✓	✓
Nup	✓	✓
NupDetails	✓	✓
• Rows	✓	✓
• Columns	✓	✓

Key	Printer model	
	C950	X950, X952, X954
✓ = Supported X = Not supported		
• Orientation	✓	✓
• Border	✓	✓
• Order	✓	✓
• Type	✓	✓
• LandscapeOverride	✓	✓
OutputAttributes	✓	✓
• 0 - Standard Bin	✓	✓
• 1 - Optional Bin 1	✓	✓
• 2 - Optional Bin 2	✓	✓
• 3 - Optional Bin 3	✓	✓
• 4 - Optional Bin 4	X	X
• 5 - Optional Bin 5	X	X
• 6 - Optional Bin 6	X	X
• 7 - Optional Bin 7	X	X
• 8 - Optional Bin 8	X	X
• 9 - Optional Bin 9	X	X
• 10 - Optional Bin 10	X	X
- OutputType	X	X
- OutputLocation	X	X
OutputPage	✓	✓
OutputType	✓	✓
PageDeviceName	✓	✓
PageSize	✓	✓
Policies	✓	✓
• PolicyNotFound	✓	✓
• PolicyReport	✓	✓
• PageSize	✓	✓
PostRenderingEnhance	X	X

√ = Supported X = Not supported		Printer model	
Key		C950	X950, X952, X954
PostRenderingEnhanceDetails		X	X
• REValue		X	X
• Type		X	X
PowerSave		√	√
ProcessColorModel		X	X
Punch		√	√
SlipSheet		√	√
SlipSheetDetails		√	√
• SlipSheetSource		√	√
• Type		√	√
Staple		√	√
TraySwitch		√	√
Tumble		√	√
UniversalDetails		√	√
• Type		√	√
• PageSize		√	√
• Orientation		√	√
• Prompt		√	√

User interpreter parameters

√ = Supported X = Not supported		Printer model	
Key	Default	C950	X950, X952, X954
AccurateScreens	false	√	√
CollatedCopies	Collation - Collated Copies (QTY) value	√	√
HalftoneMode	0	√	√
IdiomRecognition	true	√	√

✓ = Supported X = Not supported		Printer model	
Key	Default	C950	X950, X952, X954
JobName	()	✓	✓
JobTimeout	JobTimeout system parameter	✓	✓
MaxDictStack	255	✓	✓
MaxExecStack	10015	✓	✓
MaxFontItem	12500	✓	✓
MaxFormItem	100000	✓	✓
MaxLocalVM	2147483647	✓	✓
MaxOpStack	100000	✓	✓
MaxPatternItem	20000	✓	✓
MaxScreenItem	48000	✓	✓
MaxSuperScreen	1024	✓	✓
MaxUPathItem	5000	✓	✓
MinFontCompress	2147483647	✓	✓
PageCount	0	✓	✓
UseOldcopypage	false	✓	✓
VMReclaim	0	✓	✓
VMThreshold	25000 per MB of RAM	✓	✓
WaitTimeout	WaitTimeout system parameter	✓	✓

System interpreter parameters

✓ = Supported X = Not supported		Printer model	
Key		C950	X950, X952, X954
BuildTime		✓	✓
ByteOrder		✓	✓
CurDisplayList		✓	✓
CurFontCache		✓	✓

Key	Printer model	
	C950	X950, X952, X954
CurFormCache	✓	✓
CurInputDevice	✓	✓
CurOutlineCache	✓	✓
CurOutputDevice	✓	✓
CurPatternCache	✓	✓
CurScreenStorage	✓	✓
CurSourceList	✓	✓
CurUPathCache	✓	✓
DisableFastProcs	✓	✓
DoPrintErrors	✓	✓
DoStartPage	✓	✓
EnableExtraFonts	✓	✓
EngineBoot	✓	✓
EngineCode	✓	✓
EngineSpeed	✓	✓
EnvironmentSave	✓	✓
FactoryDefaults	✓	✓
FatalErrorAddress	✓	✓
FontResourceDir	✓	✓
FontVersion	✓	✓
GenericResourceDir	✓	✓
GenericResourcePathSep	✓	✓
InstalledRam	✓	✓
JobTimeout	✓	✓
languagelevel	✓	✓
MaxDisplayList	✓	✓
MaxDisplayAndSourceList	✓	✓

Key	Printer model	
	C950	X950, X952, X954
MaxFontCache	✓	✓
MaxFormCache	✓	✓
MaxImageBuffer	✓	✓
MaxOutlineCache	✓	✓
MaxPatternCache	✓	✓
MaxPermanentVM	✓	✓
MaxRasterMemory	✓	✓
MaxScreenStorage	✓	✓
MaxSourceList	✓	✓
MaxUPathCache	✓	✓
PageCount	✓	✓
PanelCode	✓	✓
PrinterCode	✓	✓
PrinterName	✓	✓
RamSize	✓	✓
RealFormat	✓	✓
Revision	✓	✓
SearchBuiltinFontsFirst	✓	✓
SerialNumber	✓	✓
StartJobPassword	✓	✓
StartupMode	✓	✓
StaticRamSize	✓	✓
SystemParamsPassword	✓	✓
UseOldcopypage	✓	✓
UseOldfonts	✓	✓
ValidNV	✓	✓
WaitTimeout	✓	✓

Devices supported

Device	Printer model	
	C950	X950, X952, X954
%AppSocketA%	✓	✓
%AppSocketB%	✓	✓
%AppSocketC%	✓	✓
%AppSocketD%	✓	✓
%EthernetPhysicalA%	✓	✓
%EthernetPhysicalB%	✓	✓
%EthernetPhysicalC%	✓	✓
%EthernetPhysicalD%	✓	✓
%EtherTalkA%	✓	✓
%EtherTalkB%	✓	✓
%EtherTalkC%	✓	✓
%EtherTalkD%	✓	✓
%IP_A%	✓	✓
%IP_B%	✓	✓
%IP_C%	✓	✓
%IP_D%	✓	✓
%IR_A%	X	X
%IR_B%	X	X
%IR_C%	X	X
%IR_D%	X	X
%LexLinkA%	X	X
%LexLinkB%	X	X
%LexLinkC%	X	X
%LexLinkD%	X	X
%LocalTalkA%	✓	✓
%LocalTalkB%	✓	✓
%LocalTalkC%	✓	✓

Device	Printer model	
	C950	X950, X952, X954
%LocalTalkD%	✓	✓
%LPR_A%	✓	✓
%LPR_B%	✓	✓
%LPR_C%	✓	✓
%LPR_D%	✓	✓
%ParallelA%	✓	✓
%ParallelB%	✓	✓
%ParallelC%	✓	✓
%ParallelD%	✓	✓
%PrintServerA%	✓	✓
%PrintServerB%	✓	✓
%PrintServerC%	✓	✓
%PrintServerD%	✓	✓
%RemotePrinterA%	✓	✓
%RemotePrinterB%	✓	✓
%RemotePrinterC%	✓	✓
%RemotePrinterD%	✓	✓
%SerialA%	✓	✓
%SerialB%	✓	✓
%SerialC%	✓	✓
%SerialD%	✓	✓
%TokenRingPhysicalA%	X	X
%TokenRingPhysicalB%	X	X
%TokenRingPhysicalC%	X	X
%TokenRingPhysicalD%	X	X
%TokenTalkA%	X	X
%TokenTalkB%	X	X
%TokenTalkC%	X	X

✓ = Supported X = Not supported	Printer model	
	C950	X950, X952, X954
Device		
%TokenTalkD%	X	X
%USB_A%	✓	✓
%USB_B%	✓	✓
%USB_C%	✓	✓
%USB_D%	✓	✓

Device parameters

✓ = Supported X = Not supported	Printer model	
	C950	X950, X952, X954
Key		
Device Parameters for the Communication Device %Parallel%, %ParallelA%, %ParallelB%, %ParallelC%, %ParallelD%		
DelayedOutputClose	✓	✓
Enabled	✓	✓
Filtering	✓	✓
Handshake	✓	✓
HasNames	✓	✓
Interpreter	✓	✓
On	✓	✓
OutputDevice	✓	✓
PCLSmartSwitch	✓	✓
PortLocation	✓	✓
PSSmartSwitch	✓	✓
Type	✓	✓
Device Parameters for the Communication Device %Serial%, %SerialA%, %SerialB%, %SerialC%, %SerialD%		
Baud	✓	✓
CheckParity	✓	✓

Key	Printer model	
	C950	X950, X952, X954
DataBits	✓	✓
DelayedOutputClose	✓	✓
Enabled	✓	✓
Filtering	✓	✓
FlowControl	✓	✓
HasNames	✓	✓
HonorDSR	✓	✓
Interpreter	✓	✓
On	✓	✓
Parity	✓	✓
PCLSmartSwitch	✓	✓
PortLocation	✓	✓
PSSmartSwitch	✓	✓
RobustXon	✓	✓
SerialMode	✓	✓
StopBits	✓	✓
Type	✓	✓
Device Parameters for the Communication Device %LocalTalk%, %LocalTalkA%, %LocalTalkB%, %LocalTalkC%, %LocalTalkD%		
DelayedOutputClose	✓	✓
Enabled	✓	✓
Filtering	✓	✓
HasNames	✓	✓
Interpreter	✓	✓
LocalTalkType	✓	✓
NodeID	✓	✓
On	✓	✓

Key	Printer model	
	C950	X950, X952, X954
✓ = Supported X = Not supported		
PCLSmartSwitch	✓	✓
PortLocation	✓	✓
PSSmartSwitch	✓	✓
Type	✓	✓
Device Parameters for the Communication Device %EtherTalk%, %EtherTalkA%, %EtherTalkB%, %EtherTalkC%, %EtherTalkD%		
DelayedOutputClose	✓	✓
Enabled	✓	✓
EthernetAddress	✓	✓
EtherTalkType	✓	✓
EtherTalkZone	✓	✓
Filtering	✓	✓
HasNames	✓	✓
Interpreter	✓	✓
NodeID	✓	✓
On	✓	✓
PCLSmartSwitch	✓	✓
PortLocation	✓	✓
PSSmartSwitch	✓	✓
Type	✓	✓
Device Parameters for the Communication Device %IR%, %IR_A%, %IR_B%, %IR_C%, %IR_D%		
DelayedOutputClose	X	X
Enabled	X	X
Filtering	X	X
HasNames	X	X
Interpreter	X	X
On	X	X
PCLSmartSwitch	X	X

Key	Printer model	
	C950	X950, X952, X954
PortLocation	X	X
PSSmartSwitch	X	X
Type	X	X
Device Parameters for the Communication Device %USB%, %USB_A%, %USB_B%, %USB_C%, %USB_D%		
DelayedOutputClose	✓	✓
Enabled	✓	✓
Filtering	✓	✓
HasNames	✓	✓
Interpreter	✓	✓
On	✓	✓
PCLSmartSwitch	✓	✓
PortLocation	✓	✓
PSSmartSwitch	✓	✓
Type	✓	✓
Device Parameters for the Communication Device %TokenTalk%, %TokenTalkA%, %TokenTalkB%, %TokenTalkC%, %TokenTalkD%		
Address	X	X
Bridging	X	X
DelayedOutputClose	X	X
Enabled	X	X
Filtering	X	X
HasNames	X	X
Interpreter	X	X
NodeID	X	X
On	X	X
PCLSmartSwitch	X	X
PortLocation	X	X
PSSmartSwitch	X	X
TokenTalkType	X	X
Type	X	X

Key	Printer model	
	C950	X950, X952, X954
Zone	X	X
Device Parameters for the Communication Device %AppSocket%, %AppSocketA%, %AppSocketB%, %AppSocketC%, %AppSocketD%		
DelayedOutputClose	✓	✓
Enabled	✓	✓
Filtering	✓	✓
HasNames	✓	✓
Interpreter	✓	✓
On	✓	✓
PortLocation	✓	✓
Type	✓	✓
Device Parameters for the Communication Device %RemotePrinter%, %RemotePrinterA%, %RemotePrinterB%, %RemotePrinterC%, %RemotePrinterD%		
DelayedOutputClose	✓	✓
Enabled	✓	✓
Filtering	✓	✓
HasNames	✓	✓
Interpreter	✓	✓
On	✓	✓
PortLocation	✓	✓
Type	✓	✓
Device Parameters for the Communication Device %PrintServer%, PrintServerA%, PrintServerB%, %PrintServerC%, %PrintServerD%		
DelayedOutputClose	✓	✓
Enabled	✓	✓
Filtering	✓	✓
HasNames	✓	✓
Interpreter	✓	✓

Key	Printer model	
	C950	X950, X952, X954
✓ = Supported X = Not supported		
On	✓	✓
PortLocation	✓	✓
Type	✓	✓
Device Parameters for the Communication Device %LPR%, %LPR_A%, %LPR_B%, %LPR_C%, %LPR_D%		
Enabled	✓	✓
Filtering	✓	✓
HasNames	✓	✓
Interpreter	✓	✓
On	✓	✓
PortLocation	✓	✓
Type	✓	✓
Device Parameters for the Communication Device %LexLink%, %LexLinkA%, %LexLinkB%, %LexLinkC%, %LexLinkD%		
DelayedOutputClose	X	X
Enabled	X	X
HasNames	X	X
Interpreter	X	X
On	X	X
PortLocation	X	X
Type	X	X
Device Parameters for the Communication Device %IP%, %IP_A%, %IP_B%, %IP_C%, %IP_D%		
GatewayAddress	✓	✓
IPAddress	✓	✓
IPAddressDynamic	✓	✓
NetworkMask	✓	✓
On	✓	✓
Physical	✓	✓
PortLocation	✓	✓

Key	Printer model	
	C950	X950, X952, X954
✓ = Supported X = Not supported		
Type	✓	✓
Device Parameters for the Communication Device %EthernetPhysical%, %EthernetPhysicalA%, %EthernetPhysicalB%, %EthernetPhysicalC%, %EthernetPhysicalD%		
EthernetAddress	✓	✓
On	✓	✓
PortLocation	✓	✓
Type	✓	✓
Device Parameters for the Communication Device %TokenRingPhysical%, %TokenRingPhysicalA%, %TokenRingPhysicalB%, %TokenRingPhysicalC%, %TokenRingPhysicalD%		
Address	X	X
On	X	X
PortLocation	X	X
Speed	X	X
Type	X	X
Device Parameters for the Parameters Device %Engine%		
BSizeStandard	✓	✓
Darkness	✓	✓
PageCount	✓	✓
TimeToStandby	✓	✓
Type	✓	✓
Device Parameters for the Parameters Device %Console%		
Language	✓	✓
Type	✓	✓
Device Parameters for the Parameters Device %Calendar%, %CalendarA%, %CalendarB%, %CalendarC%, %CalendarD%		
Day	✓	✓
Hour	✓	✓
Minute	✓	✓

Key	Printer model	
	C950	X950, X952, X954
Month	✓	✓
Running	✓	✓
Second	✓	✓
Type	✓	✓
Year	✓	✓
DateTime	✓	✓
DayOfWeekLong	✓	✓
DayOfWeekNum	✓	✓
DayOfWeekShort	✓	✓
Device Parameters for the Parameters Device %disk1%		
BlockSize	✓	✓
Free	✓	✓
HasNames	✓	✓
InitializeAction	✓	✓
LogicalSize	✓	✓
Mounted	✓	✓
PhysicalSize	✓	✓
Removable	✓	✓
Searchable	✓	✓
SearchOrder	✓	✓
Type	✓	✓
Writeable	✓	✓
Device Parameters for the Parameters Device %flash1%		
BlockSize	✓	✓
Free	✓	✓
HasNames	✓	✓
InitializeAction	✓	✓

Key	Printer model	
	C950	X950, X952, X954
LogicalSize	✓	✓
Mounted	✓	✓
PhysicalSize	✓	✓
Removable	✓	✓
Searchable	✓	✓
SearchOrder	✓	✓
Type	✓	✓
Writeable	✓	✓
Device Parameters for the Parameters Device %rom%		
BlockSize	✓	✓
Free	✓	✓
HasNames	✓	✓
InitializeAction	✓	✓
LogicalSize	✓	✓
Mounted	✓	✓
PhysicalSize	✓	✓
Removable	✓	✓
Searchable	✓	✓
SearchOrder	✓	✓
Type	✓	✓
Writeable	✓	✓

PostScript message keys commands

Key	Printer model	
	C950	X950, X952, X954
job	✓	✓
status	✓	✓
source	✓	✓

Index

A

air temperature ranges 21
airflow requirement 18
altitude specifications 22
atmospheric pressure 22

C

clearance requirements 20
commands
 PJL, file and device protection 78
 PJL, Lexmark-unique 77
 PostScript, message keys 101
commands supported
 GL/2 28
 PJL, common variables for both languages 32
 PJL, Status Readback 45
 PJL, unique variables for both languages 34
 PJL, unique variables for LRESOURCE 45
 PJL, unique variables for PCL emulation 44
 PJL, unique variables for PostScript emulation 45
 PJL, USTATUS variables 46
commands, supported
 PCL emulation 23
 PJL, common variables for PCL emulation 43
 PJL, common variables for PostScript emulation 45

D

devices supported
 PostScript 90
dimensions, printer 20

E

electrical specifications 19
envelope sizes
 support in PostScript 15
envelope sizes supported
 Lexmark C950 10
 Lexmark X95x 10
envelope tray support
 PostScript operators 16

environmental conditions 21
errors
 PJL, service 77

F

finding more information about the printer 7

G

GL/2
 commands supported 28

H

humidity ranges 21

L

letter meanings 5
logical page
 PCL emulation 9

M

meanings, letters after model number 5
messages
 PJL, attendance conditions 52
 PJL, auto-continuable conditions 46
 PJL, device attendance 77
 PJL, paper handling 67
 PJL, paper jams 71
model numbers
 understanding letters 5

N

noise emission levels 18

O

operators, envelope sizes
 PostScript 15

P

page, printable
 PCL emulation 9
paper sizes supported
 Lexmark C950 10
 Lexmark X95x 10

paper sizes, PostScript
 supported by printer 13
paper tray
 operators, PostScript 14, 15
 support in PostScript 14
parameters
 PostScript, device 92
 PostScript, page device 82
 PostScript, system interpreter 87
 PostScript, user interpreter 86
PCL emulation
 supported commands 23
PCL emulation, paper and envelope dimensions
 Lexmark C950 10
 Lexmark X95x 10
physical page
 PCL emulation 9
physical specifications 20
PJL commands
 common variables, both languages 32
 common variables, PCL emulation 43
 common variables, PostScript emulation 45
 file and device protection 78
 Lexmark-unique 77
 Status Readback 45
 unique variables, both languages 34
 unique variables, LRESOURCE 45
 unique variables, PCL emulation 44
 unique variables, PostScript emulation 45
 USTATUS variables 46
PJL commands, information location
 Printer Languages and Interfaces Technical Reference 12
PJL errors
 service errors 77
PJL messages
 attendance conditions 52
 auto-continuable conditions 46
 device attendance 77
 paper handling 67

- paper jams 71
- PostScript
 - device parameters 92
 - devices supported 90
 - operators, envelope sizes 15
 - page device parameters 82
 - supplemental operators 79
 - supported paper sizes 13
 - tray operators 14
- PostScript commands
 - message keys 101
- PostScript operators
 - envelope tray support 16
- PostScript parameters
 - system interpreter 87
 - user interpreter 86
- power requirements 19
- printable areas 9
- printer dimensions 20
- printer information
 - where to find 7
- printer specifications
 - airflow requirement 18
 - altitude 22
 - atmospheric pressure 22
 - clearance requirements 20
 - electrical 19
 - environmental conditions 21
 - noise emission levels 18
 - power requirements 19
- publications
 - where to find 7

R

- required clearance 20

S

- size, printer 20
- supplemental operators
 - PostScript 79

T

- tray operators
 - PostScript 14

W

- weight, printer 20