

XELIA

User's Manual
Version 1.1

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About this manual

Thank you for placing your trust in our XELIA desktop scanner!

This manual contains all important information you will need to configure and operate your XELIA. For instance, how to physically install the unit in its intended location, how to set it up to operate on your specific network and according your user-specific reading parameters, how to get optimal reading results?

The accompanying setup tool will be described, and you will find detailed information on its basic functions and features.

The following information addresses to experienced users with knowledge of the hardware and software configuration.

If you have further questions or need additional help, please contact our support:

NeoMedia Europe AG
Jens-Otto-Krag-Str. 11
52146 Würselen
Germany

Phone +49 2405 49922-50
Fax +49 2405 49922-99
E-Mail support@neom.com

Remark: Please collect the version number of the Setup Tool software, the device information of your XELIA device (code reader and Ethernet tabs) before asking for technical support.

CHAPTER 1 Introduction

This chapter provides general information about the XELIA desktop scanner and its optional accessories.

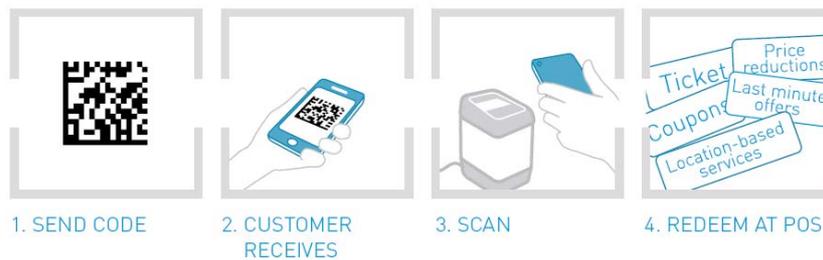
- **XELIA short description**
- **XELIA different scanner models**
- **XELIA optional accessories**



XELIA short description

XELIA is a versatile desktop scanner that incorporates Honeywell Adaptus® Imaging Technology 5.0 to enable high-performance reading of 2D codes from mobile phone displays.

Thanks to its high-speed processor, XELIA automatically recognizes 2D codes sent as text messages (SMS, EMS) or MMS messages as well as printed 1D barcodes. It rapidly processes codes with extreme accuracy.



Equipped with various communication interfaces, XELIA can be easily integrated into an existing system in order to provide increased flexibility for mobile phone-based applications at the point-of-sale (shopping malls, grocery stores, and offices) or point-of-access (concert venues, theme parks, movie theatres, sporting events). Its compact size and sleek design make XELIA ideal for counter-top use at a point-of-sale or service desk. It can also be used for sweepstakes, mobile advertising (tickets and coupons) and boarding passes.



XELIA scanner models

XELIA exists in two versions – with and without Ethernet connectivity.

The model without Ethernet (XELIA) has two interfaces: a USB port to allow you to connect your XELIA scanner directly to your PC using the included USB cable (a power supply is not required since the scanner is powered via the USB port in this connection method), and a serial port to connect your XELIA scanner to any serial device. The serial cable with power supply is not included in the package (refer to *XELIA optional accessories* on page 8).

The model with Ethernet (XELIA-E) possesses an Ethernet interface in addition to the USB and serial ports. The USB-cable is provided with this scanner model. The serial cable with power supply and the Ethernet cable are not included in the package (refer to *XELIA optional accessories* on page 8).

Remark: XELIA in the scope of this manual refers to XELIA and XELIA-E. If a feature or function is related to only one of the two models, this manual refers to “XELIA only” or “XELIA-E only”.

XELIA optional accessories

The following optional accessories for XELIA and XELIA-E are currently available at NeoMedia Europe:

- Serial cable with power supply for XELIA and XELIA-E to connect your XELIA/XELIA-E to a wide variety of serial devices or to run XELIA-E in Ethernet connection mode.



CHAPTER 2 Unpacking and connecting XELIA

This chapter provides an overview on the XELIA components and includes instructions on how to install and connect the XELIA scanner to a PC for evaluation.

- **Packaging contents**
- **Installing and connecting XELIA**



Packaging contents

Please check the completeness of your XELIA package.

The package consists of:

- 1 XELIA
- 1 Configuration CD
- 1 USB cable



Installing and connecting XELIA

The XELIA scanner can be connected to a PC for evaluation and individual configuration. XELIA can be connected via USB, serial or Ethernet port.

Connecting XELIA using the USB port

- Switch on your computer.
- First install the software driver provided on the configuration CD if your PC is running under Windows, and be sure to follow the instructions. The software driver creates a virtual COM port which can be used like any other standard COM port on your PC.

Remark: Linux operating systems don't require an extra driver installation. Default serial over USB driver will be used.

- Connect one end of the included interface cable to the XELIA (left-most port) and the other end of the cable to the matching USB port of your PC.
- Power supply is not required.
- The scanner emits a beep sequence via the built-in speaker and the scanning illumination starts to flicker.

Connecting XELIA using the serial port

- Switch on your computer.
- Connect one end of the serial interface cable to XELIA (middle port) and the other end of the cable to the matching serial port of your PC.
- Then, plug the power supply unit into an electrical outlet.
- The scanner emits a beep sequence via the built-in speaker and the scanning illumination starts to flicker.

Remark: You don't need to install a software driver for a serial communication. If connecting the XELIA scanner using an RS-232 interface, all communication parameters between XELIA and terminal must match for correct data transfer through the serial port using RS-232 protocol. The default settings for the Xelia serial port are 38.400 Bit/s, No Parity, 8 Data Bits, 1 Stop Bit, RTS/CTS Handshake.



Installing XELIA-E using the Ethernet port

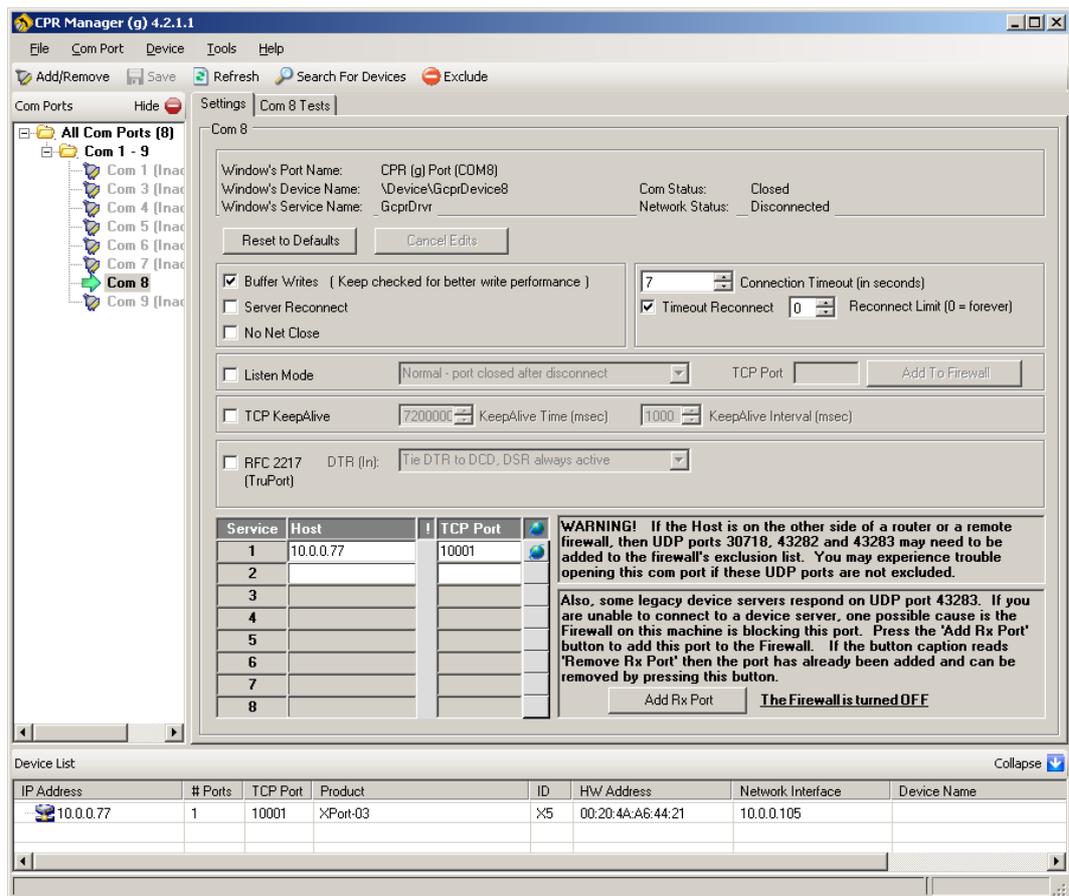
- Connect one end of the Ethernet cable to the Ethernet port (right-most port) on the back of the XELIA-E scanner and the other end of the cable to an Ethernet port of your network.
- For the power supply connection of your XELIA-E, plug the provided power supply unit into an electrical outlet.
- Now install the software provided on the configuration CD and be sure to follow the instructions for your specific operating system.



CPR Manager

- Open the CPR Manager.
- Click **Add/Remove**.
- Select a free COM port and click **OK** to create a virtual COM port.
- Mark the new COM port by clicking on it.
- Click **Search For Devices** to scan your network for available XELIAs.
- Right click on the correct XELIA device in the device list at the bottom and choose **Add To Settings**.
- Click **Save** and close the CPR Manager.

Remark: You need administrator rights to create a virtual COM port using the CPR Manager.



CHAPTER 3 Setup Tool

The XELIA Setup Tool is a program designed to configure your XELIA in order to achieve optimal reading results. With this program, you can carry out all necessary parameterizations and main settings, adapt them to your specific needs and suit your individual area of application. In most cases, the default settings are sufficient.

In this chapter, you will learn how to install, remove, start and exit the XELIA Setup Tool.

- **Installing the XELIA Setup Tool**
- **Removing the XELIA Setup Tool**
- **Starting the XELIA Setup Tool**
- **Exiting the XELIA Setup Tool**



Installation requirements

To install and run the XELIA Setup Tool, your computer must fulfill the following requirements:

Operating systems

To install the XELIA Setup Tool, following operating systems are required:

- Windows 2000
- Windows XP (32-bit versions only)
- Windows Vista (32-bit versions only)

Should you use other operating systems, please contact our support (contact address on page 5).



Installing the XELIA Setup Tool

- Switch on your computer and wait until Windows is started.
- Insert the provided configuration CD into the CD-ROM disk drive. The Install program will start automatically. (If the auto-start function is disabled, start setup manually by double-clicking on SETUP.EXE in the CD root directory).
- Confirm the next installation dialogue with ***Next***.

Remark: If needed, log in with administration rights for the local computer. Install the Setup Tool using an administrator account.

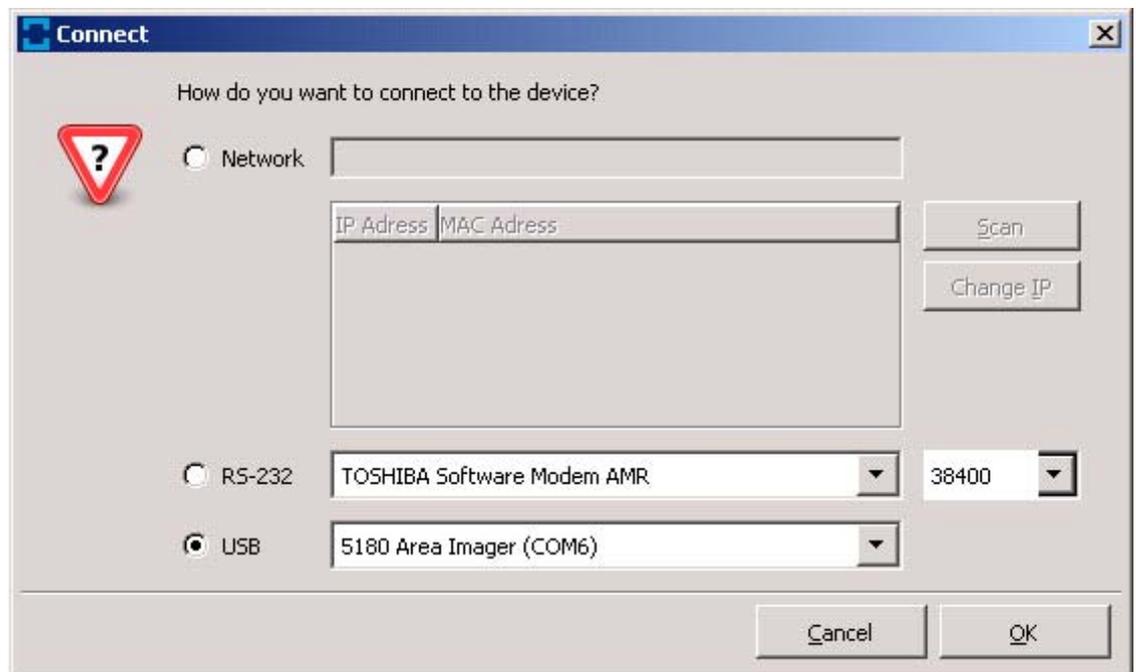
- Select the destination folder to install the Setup Tool and click then on ***Next***.
- Click again on ***Next*** to confirm and start the installation.
- The successful installation is complete and a corresponding dialogue message appears.
- Click on ***Close***.



Starting the XELIA Setup Tool

- Switch on your computer and wait until Windows is started.
- Select **Start → Programs → XELIA Setup Tool**
- Select the appropriate connection according to the way you have connected XELIA to your PC – **Network, RS-232 or USB.**

Remark: If connecting the XELIA scanner using an RS-232 interface, all communication parameters between XELIA and terminal must match for correct data transfer through the serial port using RS-232 protocol.



- Click on **OK**.
- Connection will be established.

Exiting the XELIA Setup Tool

- Go to **Connection** in the menu bar of the XELIA Setup Tool and select the menu item **Disconnect**, or click on the icon **Disconnect** below the menu bar.
- Connection to the device will be disconnected.
- Close the window by clicking on the cross in the upper right corner or selecting **Connection > Quit** from the menu bar.



Removing the XELIA Setup Tool

- Switch on your computer and wait until Windows is started.

Remark: If needed, log in with administration rights for the local computer.

- Select **Start** → **Settings** → **Control Panel** and open the **Software** directory.
- Locate the **XELIA Setup Tool** program already installed on your system and click the button **“Change / Remove”**.
- Confirm the next dialogue with **OK**.
- Close the window “Software”



CHAPTER 4 Configuring XELIA

This chapter describes the XELIA Setup Tool, how to configure the XELIA scanner according to your specific needs, how to set up the decoding methods and how to define the communication between XELIA and host system.



Menu bar

Menu: *Connection*

- Connect*** establishes a connection to the XELIA.
- Disconnect*** closes the connection to the XELIA.
- Quit*** closes the setup tool application.

Menu: *Configuration*

- Default*** sets all parameters in the setup tool to default values and writes them directly to the XELIA scanner's EEPROM.
- Apply*** writes the current parameter set of the XELIA scanner to EEPROM. (**Important:** if you do not apply, all your parameters will be lost in case of a power interruption).
- Open*** loads a parameter set from a file into the setup tool and transmits it to the XELIA. Click on *Apply* to have them saved and written to EEPROM.
- Save*** saves the current parameter set from the setup tool to a file.

Menu: *Image*

- Snapshot*** creates automatically a snapshot image from the XELIA scanner and displays this image in a separate window.

Menu: *Help*

- About*** displays version numbers and Copyright information.



RS-232

Baud Rate

defines the data transmission rate from the XELIA scanner to the terminal via the serial interface. Host terminal must be set to the same baud rate as the XELIA.

Default Baud Rate = 38400 BPS.

RTS/CTS

defines the data exchange between XELIA and host terminal (RS-232 handshaking).

If checking the box ***RTS/CTS***, XELIA issues always an active RTS signal to the receiving device. XELIA waits to send its data until it detects an active CTS signal from the receiving device. XELIA then sends its data while checking the CTS signal before the transmission of each data character. If an inactive CTS signal is detected at any time, the XELIA halts transmission until it detects another active CTS signal.

Default = RTS/CTS activated.

Output

Reread Delay

sets the time period before the XELIA can read the same bar code a second time. Longer delays are effective in minimizing accidental rereads at the point of sale. Use shorter delays in applications where repetitive barcode scanning is required.

Default delay = Off.

Prefix and Suffix characters are data characters that can be sent before and after scanned data.

Prefix	Scanned data	Suffix
1-11 Alpha numeric characters	Variable length	1-11 Alpha numeric characters

You can specify if prefix and suffix characters should be sent with all symbologies.

Remark: Prefix and suffix should be added according to the hex values from the ASCII conversion chart on page 41.

Prefix

defines the prefix that will be sent before the scanned data. Enter here the hex values determined from the ASCII conversion chart on page 41.

Default Prefix = none.

Suffix

defines the suffix that will be sent after the scanned data. Enter here the hex values determined from the ASCII conversion chart on page 41.

Default Suffix = none.



EAN/JAN-13

- Enabled*** enables/disables the decoding of *EAN/JAN-13* barcodes.
Default = activated.
- Addenda required*** allows you to specify whether the check digit should be transmitted at the end of the scanned data or not. If you checked this box, only *EAN/JAN-13* barcodes with a check digit at the end will be decoded. The ones without addenda will be ignored.
Default = inactivated.
- 2 Digit Addenda*** enables the decoding of *EAN/JAN-13* barcodes with 2 digits at the end.
Default = inactivated.
- 5 Digit Addenda*** enables the decoding of *EAN/JAN-13* barcodes with 5 digits at the end.
Default = inactivated.

EAN/JAN-8

- Enabled*** enables/disables the decoding of *EAN/JAN-8* barcodes.
Default = activated.
- Addenda required*** allows you to specify whether the check digit should be transmitted at the end of the scanned data or not. If you checked this box, only *EAN/JAN-8* barcodes with a check digit at the end will be decoded. The ones without addenda will be ignored.
Default = inactivated.
- 2 Digit Addenda*** enables the decoding of *EAN/JAN-8* barcodes with 2 digits at the end.
Default = inactivated.
- 5 Digit Addenda*** enables the decoding of *EAN/JAN-8* barcodes with 5 digits at the end.
Default = inactivated.



UPC-A

- Enabled*** enables/disables the decoding of *UPC-A* barcodes.
Default = activated.
- Addenda required*** allows you to specify whether the check digit should be transmitted at the end of the scanned data or not. If you checked this box, only *UPC-A* barcodes with a check digit at the end will be decoded. The ones without addenda will be ignored.
Default = inactivated.
- 2 Digit Addenda*** enables the decoding of *UPC-A* barcodes with 2 digits at the end.
Default = inactivated.
- 5 Digit Addenda*** enables the decoding of *UPC-A* barcodes with 5 digits at the end.
Default = inactivated.



UPC-E0

- Enabled*** enables/disables the decoding of *UPC-E0* barcodes.
Default = activated.
- Addenda required*** allows you to specify whether the check digit should be transmitted at the end of the scanned data or not. If you checked this box, only *UPC-E0* barcodes with a check digit at the end will be decoded. The ones without addenda will be ignored.
Default = inactivated.
- 2 Digit Addenda*** enables the decoding of *UPC-E0* barcodes with 2 digits at the end.
Default = inactivated.
- 5 Digit Addenda*** enables the decoding of *UPC-E0* barcodes with 5 digits at the end.
Default = inactivated.



Code 128

Enabled enables/disables the decoding of *Code 128* barcodes.
Default = inactivated.

Min. Message length defines the minimum length of a *Code 128* barcode that will be accepted once scanned. The length varies from 0 to 80 characters. Check the box **Enabled** to define the minimum length.
Minimum Default = 0.

Max. Message length defines the maximum length of a *Code 128* barcode that will be accepted once scanned. The length varies from 0 to 80 characters. Check the box **Enabled** to define the maximum length.
Maximum Default = 80.

Interleaved 2 of 5

Enabled enables/disables the decoding of *Interleaved 2 of 5* barcodes.
Default = inactivated.

Check Digit allows the XELIA to read and transmit barcode data with or without check digit. Check the box **Enabled** to set this function.

- When *Check Digit* is set to **No Check Digit**, XELIA reads and transmits barcode data with or without check digit.
- When *Check Digit* is set to **Validate, but Don't Transmit**, XELIA only reads Interleaved 2 of 5 barcodes printed with a check digit, but will not transmit the check digit with the scanned data.
- When *Check Digit* is set to **Validate and Transmit**, XELIA only reads Interleaved 2 of 5 barcodes printed with a check digit, and will transmit this digit at the end of the scanned data.

Default = No Checked Digit.

Min. Message length defines the minimum length of an *Interleaved 2 of 5* barcode that will be accepted once scanned. The length varies from 2 to 80 characters. Check the box **Enabled** to define the minimum length.
Minimum Default = 4.

Max. Message length defines the maximum length of an *Interleaved 2 of 5* barcode that will be accepted once scanned. The length varies from 2 to 80 characters. Check the box **Enabled** to define the maximum length.
Maximum Default = 80.

2D symbologies

<i>QR</i>	enables/disables the decoding of <i>QR</i> codes. Default = inactivated.
<i>Data Matrix</i>	enables/disables the decoding of <i>Data Matrix</i> codes. Default = activated.
<i>Aztec</i>	enables/disables the decoding of <i>Aztec</i> codes. Default = inactivated.
<i>PDF417</i>	enables/disables the decoding of <i>PDF417</i> codes. Default = inactivated.

Additional Commands

This window is for maintenance purposes only. NeoMedia technical support might be responding to your special requests by sending you a set of special commands to be entered here. These additional commands can configure the scanner behaviour in a wider scope than the standard commands in the graphical user interface above.

APPENDIX A Trigger Commands

XELIA is usually running in Presentation Mode. This means that it continuously captures images and tries to decode existing bar and 2D codes. No triggering of the code reading is necessary.

If an application however wants to disable code reading for a certain period of time, the code reading can be disabled and re-enabled using dedicated command syntax as described on the following page.

Trigger commands

Disable Code Reading This command is used to disable code reading until the reading is re-enabled via the *Enable Code Reading* command (as described below) or the scanner has been switched off and on again.

Send the following command to the scanner via the hardware interface the scanner and the controlling device are connected with:

Three ASCII characters: **SYN M CR** (ASCII 22,77,13), followed by the ASCII command **TRGMODO!** (the closing exclamation mark is part of the command sequence and has to be present).

Enable Code Reading This command is used to re-enable code reading until the reading is disabled via the *Disable Code Reading* command (as described above).

Send the following command to the scanner via the hardware interface the scanner and the controlling device are connected with:

Three ASCII characters: **SYN M CR** (ASCII 22,77,13), followed by the ASCII command **TRGMOD3!** (the closing exclamation mark is part of the command sequence and has to be present).

Responses

The scanner responds to these commands with the command (TRGMODx), one of three responses as follows and the exclamation mark to close the response:

ACK Indicates a good command which has been processed.

ENQ or **NAK** Indicates an invalid command (this means that there most probably was a typing error in the command syntax).

Example: TRGMODOACK!



APPENDIX B Diverse

This chapter contains information on:

- **Warranty conditions**

Warranty conditions of NeoMedia Europe AG

1. Warranty coverage

- a) The warranty covers the equipment delivered and all its parts. Parts will, at NeoMedia Europe's sole discretion, be replaced or repaired free of charge if, despite proven proper handling and adherence to the operating instructions, these parts became defective due to fabrication and/or material defects. Alternatively, NeoMedia Europe reserves the right to replace the defective product with a comparable product with the same specifications and features. Operating manuals and possibly supplied software are excluded from the warranty.
- b) Material and service charges shall be covered by NeoMedia Europe, but not shipping and handling costs involved in transport from the buyer to the service station and/or to NeoMedia Europe.
- c) Replaced parts become property of NeoMedia Europe.
- d) NeoMedia Europe is authorized to carry out technical changes (e.g. firmware updates) beyond repair and replacement of defective parts in order to bring the equipment up to the current technical state. This does not result in any additional charge for the customer. A legal claim to this service does not exist.

2. Warranty period

The warranty period for this NeoMedia Europe product is twelve months. The warranty period begins at the day of delivery. Warranty services carried out by NeoMedia Europe do not result in an extension of the warranty period nor do they initiate a new warranty period. The warranty period for installed replacement parts ends with the warranty period of the device as a whole.

3. Warranty procedure

- a) If defects appear during the warranty period, the warranty claims must be made immediately, at the latest within a period of 7 days.
- b) In the case of any externally visible damage arising from transport (e.g. damage to the housing), the person carrying out the transportation and the sender should be informed immediately. On discovery of damage which is



not externally visible, the transport company and the sender are to be immediately informed in writing, at the latest within 3 days of delivery.

- c) Transport to and from the location where the warranty claim is accepted and/or the repaired device is exchanged, is at the purchaser's own risk and cost.
- d) Warranty claims are only valid if a copy of the original purchase receipt is returned with the device.

4. Suspension of the warranty

All warranty claims will be deemed invalid

- a) if the label with the serial number has been removed from the device,
- b) if the device is damaged or destroyed as a result of acts of nature or by environmental influences (moisture, electric shock, dust, etc.),
- c) if the device was stored or operated under conditions not in compliance with the technical specifications,
- d) if the damage occurred due to incorrect handling, especially to non-observance of the system description and the operating instructions,
- e) if the device was opened, repaired or modified by persons not contracted by NeoMedia Europe,
- f) if the device shows any kind of mechanical damage,
- g) if the warranty claim has not been reported in accordance with 3a) or 3b).

5. Operating mistakes

If it becomes apparent that the reported malfunction of the device has been caused by unsuitable hardware, software, installation or operation, NeoMedia Europe reserves the right to charge the purchaser for the resulting testing costs.

6. Additional regulations

- a) The above conditions define the complete scope of NeoMedia Europe's legal liability.
- b) The warranty gives no entitlement to additional claims, such as any refund in full or in part. Compensation claims, regardless of the legal basis, are excluded. This does not apply if e.g. injury to persons or damage to private property are specifically covered by the product liability law, or in cases of intentional act or culpable negligence.



- c) Claims for compensation of lost profits, indirect or consequential detriments, are excluded.
- d) NeoMedia Europe is not liable for lost data or retrieval of lost data in cases of slight and ordinary negligence.
- e) In the case that the intentional or culpable negligence of NeoMedia Europe employees has caused a loss of data, NeoMedia Europe will be liable for those costs typical to the recovery of data where periodic security data backups have been made.
- f) The warranty is valid only for the first purchaser and is not transferable.
- g) The court of jurisdiction is located in Aachen, Germany in the case that the purchaser is a merchant. If the purchaser does not have a court of jurisdiction in the Federal Republic of Germany or if he moves his domicile out of Germany after conclusion of the contract, NeoMedia Europe's court of jurisdiction applies. This is also applicable if the purchaser's domicile is not known at the time of institution of proceedings.
- h) The law of the Federal Republic of Germany is applicable. The UN commercial law does not apply to dealings between NeoMedia Europe and the purchaser.



APPENDIX C Technical Data

This chapter contains information on:

- **Data sheet**
- **ASCII conversion chart**
- **XELIA/XELIA-E Connector Pin-out**



Data sheet

Supported codes

Code types	2d: Data Matrix ECC200, QR, Aztec, PDF417 1d: UPC/EAN/JAN, 2/5 Interleaved, Code 128 (various other codes on request)
------------	---

Optical Data

Imager	Honeywell Adaptus® Imaging Technology
Reading direction	Omni-directional
Field of view	On glass level, approx. 55x45 mm
Depth of field	From glass to approximately 5 cm above glass

Electrical Data

Powered via USB or via optional wall power supply (100-240V AC, 0.6A max.)

Interfaces

Interface type	USB <ul style="list-style-type: none"> – powered via the USB connection
	RS-232 <ul style="list-style-type: none"> – 4.800-115.200 Bit/s – 8 Bit, no parity – HW handshake
	Ethernet (only on XELIA-E): <ul style="list-style-type: none"> – Configuration via built-in Web Server – 10/100Base-T/TX (auto-sensing) – IP-Address via DHCP client or fixed – Full TCP/IP stack, UDP support – Virtual serial port device driver for Windows

Connections	1 input 1 output
-------------	---------------------

Display	Beeper for successful reading
---------	-------------------------------

Mechanical Data

Housing	Aluminum / thermoplastic
Weight	450 g
Dimensions	<ul style="list-style-type: none">– Height: 110-125 mm– Width: 84 mm– Depth: 93 mm

Environmental Data

Operating	0°C - 40°C (32°F – 104°F)
Storage	-40°C...70° C (-40°F – 158°F); non-condensing

ASCII conversion chart

Remark: This table applies to U.S. style keyboards. Certain characters may differ depending on your Country Code/PC regional settings.

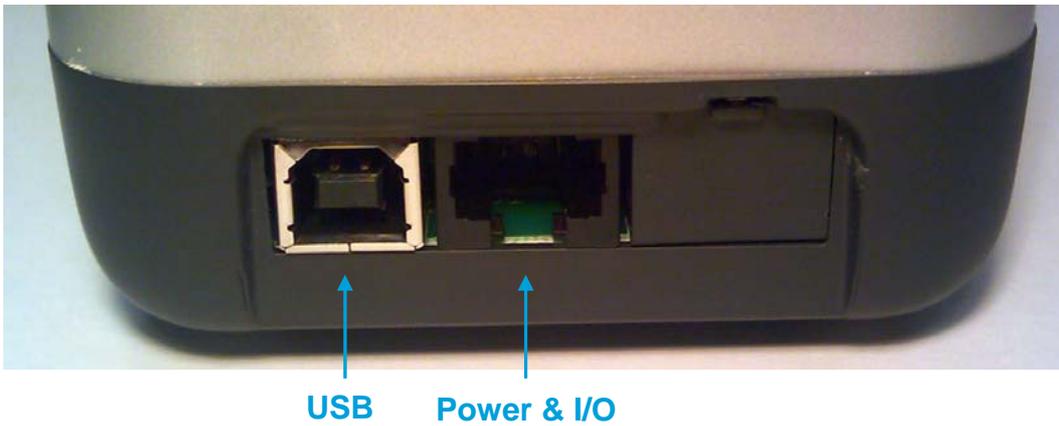
Dec	Hex	Char	Dec	Hex	Char	Dec	Hex	Char	Dec	Hex	Char
0	00	NUL	32	20		64	40	@	96	60	'
1	01	SOH	33	21	!	65	41	A	97	61	a
2	02	STX	34	22	"	66	42	B	98	62	b
3	03	ETX	35	23	#	67	43	C	99	63	c
4	04	EOT	36	24	\$	68	44	D	100	64	d
5	05	ENQ	37	25	%	69	45	E	101	65	e
6	06	ACK	38	26	&	70	46	F	102	66	f
7	07	BEL	39	27	'	71	47	G	103	67	g
8	08	BS	40	28	(	72	48	H	104	68	h
9	09	HT	41	29	)	73	49	I	105	69	i
10	0A	LF	42	2A	*	74	4A	J	106	6A	j
11	0B	VT	43	2B	+	75	4B	K	107	6B	k
12	0C	FF	44	2C	,	76	4C	L	108	6C	l
13	0D	CR	45	2D	-	77	4D	M	109	6D	m
14	0E	SO	46	2E	.	78	4E	N	110	6E	n
15	0F	SI	47	2F	/	79	4F	O	111	6F	o
16	10	DLE	48	30	0	80	50	P	112	70	p
17	11	DC1	49	31	1	81	51	Q	113	71	q
18	12	DC2	50	32	2	82	52	R	114	72	r
19	13	DC3	51	33	3	83	53	S	115	73	s
20	14	DC4	52	34	4	84	54	T	116	74	t
21	15	NAK	53	35	5	85	55	U	117	75	u
22	16	SYN	54	36	6	86	56	V	118	76	v
23	17	ETB	55	37	7	87	57	W	119	77	w
24	18	CAN	56	38	8	88	58	X	120	78	x
25	19	EM	57	39	9	89	59	Y	121	79	y
26	1A	SUB	58	3A	:	90	5A	Z	122	7A	z
27	1B	ESC	59	3B	;	91	5B	[	123	7B	{
28	1C	FS	60	3C	<	92	5C	\	124	7C	|
29	1D	GS	61	3D	=	93	5D	]	125	7D	}
30	1E	RS	62	3E	>	94	5E	^	126	7E	~
31	1F	US	63	3F	?	95	5F	_	127	7F	

Dec	Hex	Char	Dec	Hex	Char	Dec	Hex	Char	Dec	Hex	Char
128	80	€	160	A0		192	C0	À	224	E0	à
129	81	□	161	A1	ı	193	C1	Á	225	E1	á
130	82	,	162	A2	ç	194	C2	Â	226	E2	â
131	83	f	163	A3	£	195	C3	Ã	227	E3	ã
132	84	„	164	A4	¤	196	C4	Ä	228	E4	ä
133	85	...	165	A5	¥	197	C5	Å	229	E5	å
134	86	†	166	A6	ı	198	C6	Æ	230	E6	æ
135	87	‡	167	A7	§	199	C7	Ç	231	E7	ç
136	88	^	168	A8	¨	200	C8	È	232	E8	è
137	89	‰	169	A9	©	201	C9	É	233	E9	é
138	8A	Š	170	AA	ª	202	CA	Ê	234	EA	ê
139	8B	‹	171	AB	«	203	CB	Ë	235	EB	ë
140	8C	Œ	172	AC	¬	204	CC	Ì	236	EC	ì
141	8D	□	173	AD	-	205	CD	Í	237	ED	í
142	8E	Ž	174	AE	®	206	CE	Î	238	EE	î
143	8F	□	175	AF	¯	207	CF	Ï	239	EF	ï
144	90	□	176	B0	°	208	D0	Ð	240	F0	ð
145	91	´	177	B1	±	209	D1	Ñ	241	F1	ñ
146	92	´	178	B2	²	210	D2	Ò	242	F2	ò
147	93	“	179	B3	³	211	D3	Ó	243	F3	ó
148	94	”	180	B4	´	212	D4	Ô	244	F4	ô
149	95	•	181	B5	µ	213	D5	Õ	245	F5	õ
150	96	–	182	B6	¶	214	D6	Ö	246	F6	ö
151	97	—	183	B7	·	215	D7	×	247	F7	÷
152	98	~	184	B8	¸	216	D8	Ø	248	F8	ø
153	99	™	185	B9	¹	217	D9	Ù	249	F9	ù
154	9A	š	186	BA	º	218	DA	Ú	250	FA	ú
155	9B	›	187	BB	»	219	DB	Û	251	FB	û
156	9C	œ	188	BC	¼	220	DC	Ü	252	FC	ü
157	9D	□	189	BD	½	221	DD	Ý	253	FD	ý
158	9E	ž	190	BE	¾	222	DE	Þ	254	FE	þ
159	9F	ÿ	191	BF	¿	223	DF	ß	255	FF	ÿ

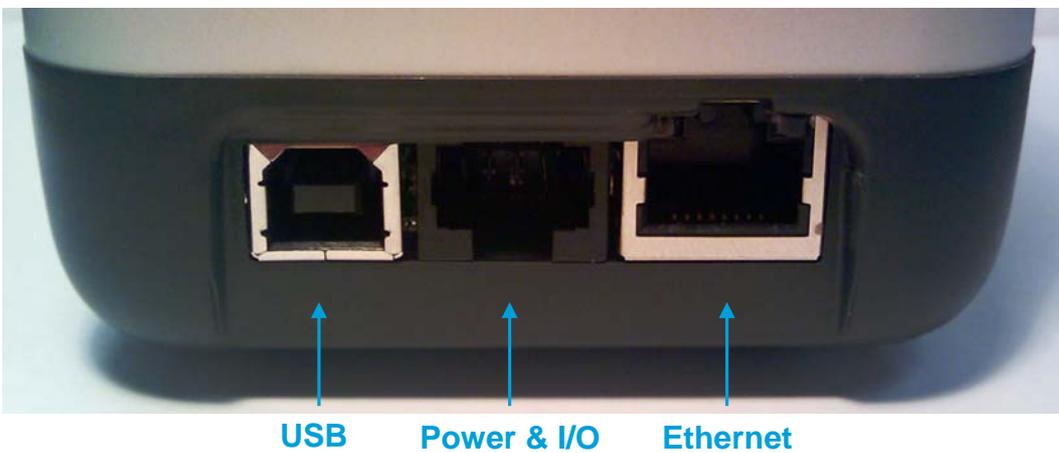


XELIA/XELIA-E Connector Pin-out

XELIA Connectors



XELIA-E Connectors



XELIA / XELIA-E Connector Pin-out

USB Standard USB-B connector to connect scanner to a USB host device via the supplied USB cable

Power & I/O RJ45 socket with NeoMedia proprietary pin-out as follows:

Pin	Type	Signal	Direction ¹	Remark
1	RS232	RTS	OUT	
2	RS232	CTS	IN	
3	RS232	TX	OUT	
4	RS232	RX	IN	
5	RS232, I/O, Power	GND		
6	I/O	GOODREAD	OUT	3.3V against GND
7	I/O	TRIGGER	IN	3.3V against GND
8	Power	VCC		12V 500 mA max.

¹ Direction seen from scanner, XELIA is DTE in RS232 mode

² For GOODREAD and TRIGGER signals please refer to the command description of the „Good Read“ and „Trigger“ commands in the Setup Tool

Ethernet (only available on XELIA-E) Standard RJ45 Ethernet Port for 10BASE-T and 100BASE-TX connection

