MC 92N0ex-G
with 1D-Long Range Scan Engine or 1D-/2D Imager Engine

→ Explosion protection

UL **Ex protection type**
Class I Div 2 Group A, B, C, D T6
Class II Div 2 Group F, G
Class III

Certification
UL File E321557 Vol. 1 Sec. 5

ATEX **Ex protection type**
⟨Ex⟩ II 3G Ex nA IIC T6 Gc
⟨Ex⟩ II 3D Ex tc IIIC T80 °C Dc
-20 °C ≤ T_a ≤ +50 °C

Declaration of conformity
B1-A2A3-7C0001, B1-A2A3-7C0002

→ Technical data

Keyboard version
- 28 keys, numeric
- 43 keys, numeric with (F) function keys
- 53 keys, alphanumeric

Display
3.7" VGA colour display
with touchscreen 480 x 640 pixels

■ Barcode options
SE 1524: 1D-Long Range Scan Engine
Reading range: up to 12 m

SE 4500-SR: 1D/2D Imager Engine
Reading range: up to 60 cm
Other variants available, see user's manual.

Dimensions (height x width x depth)
231 mm x 91 mm x 193 mm
9.1 inch x 3.6 inch x 7.6 inch

Weight
approx. 765 g
approx. 27 oz

Ambient temperature
-20 °C to +50 °C
-4 °F to +122 °F

Storage temperature
-40 °C to +70 °C
-40 °F to +158 °F

Charging temperature
0 °C to +40 °C
+32 °F to +104 °F

Humidity
5 % to 95 % (non-condensing)

Protection class (EN 60529)
IP 64

Processor
TI OMAC 4430 dual-core® processor/1 GHz

Memory
1 GB/2 GB flash RAM/ROM with the option of expansion with SD card: up to 32 GB

Operating system
Windows Embedded Handheld 6.5.3
or Windows CE 7.0

Power supply
Li-ion battery B7-A2Z0-0006
with 7.4 V/2200 mAh

Features

- International approvals for global usability
- Barcode capture up to 12 m
- WLAN radio standard IEEE 802.11 a/b/g/n
- Expanded storage capacity with replaceable SD card
- Various versions of replaceable keyboards
- Based on MC92N0 from Motorola
- Service contracts

Description

The MC 92N0ex-G Mobile Computer with its pistol grip is a robust device for reliable barcode scanning in hazardous (potentially explosive) areas.

The scan trigger is conveniently positioned at the pistol grip. Thus barcodes can be captured with only one hand. The integrated radio module enables real time data access to your host system.

The MC 92N0ex-G combines the strength of Microsoft's Pocket PC platform with the power of the TI OMAC 4430 dual-core® processor with 1 GHz.

A further highlight is the large easy-to-read 3.7" VGA colour display with touchscreen technology. The MC 92N0ex-G is working with the IEEE 802.11a/b/g/n radio standard.

Market	Applications	Users
Automobile industry suppliers of paintwork, for paint shops, etc.	Material flow monitoring	**Dispatch, receiving and stock management departments**
	Production control	Personnel who have been instructed on the handling of potentially explosive substances
Food and beverages suppliers of aromatic substances, etc.	Supplier chain management	
	Incoming/outgoing goods, inventory management	**Maintenance and repair**
Petrochemicals from production through further processing to delivery	Safety tests	Personnel who have been instructed on work in potentially explosive substances.
	Spare parts tracking	
	Maintenance/repair work	**Production area**
Pharmaceuticals suppliers of the individual components required for the production of e. g. medication	Workshop communication	Personnel who have been instructed on the handling of potentially explosive substances.
	Conformity verification	
	Task allocation	

Backup battery
Ni-MH battery (rechargeable)
2.4 V/15 mAh

Interfaces
- RS232
- USB

Application development
EMDK available from Motorola Solutions Homepage

Audio System
Integrated microphone and loudspeaker

Voice support
Voice over IP

▪ Wireless data communication (WLAN)

Radio standard
IEEE 802.11a/b/g/n

Data rate/frequency range
IEEE802.11a: up to 54 Mbit/s - 5 GHz
IEEE802.11b: up to 11 Mbit/s - 2.4 GHz
IEEE802.11g: up to 54 Mbit/s - 2.4 GHz
IEEE802.11n: up to 600 Mbit/s - 2.4/5 GHz

Output power
100 mW

Antenna
Integrated in the device

Note
The respective radio frequencies and usable channels depend on the country-specific regulations.

▪ Bluetooth (WPAN)
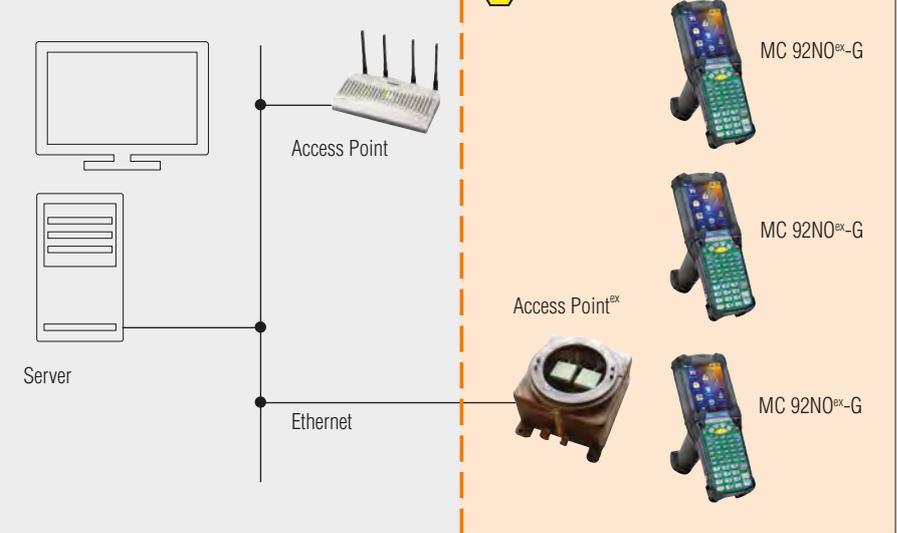Bluetooth version 2.1 with EDR (including manager)

Max. data rate
2.1 Mbit/s

Antenna
Integrated in the devicet

Possible connection

The MC 92NO ex-G Mobile Computer with the 1D-Long Range Scan Engine or the 1D-/2D Imager Engine recognises the following barcodes:

1D-Codes:

Code 11	Interleaved 2 of 5
Code 39	MSI
Code 93	UPCA
Code 128	UPCE
Codabar	UPC/EAN supplementals
Coupon Code	Trioptic 39
Chinese 2 of 5	RSS-14
Discrete 2 of 5	RSS Expanded
EAN-8	RSS Limited
EAN-13	Webcode

2D-Codes: (only with 1D-/2D-Imager Engine)

Aztec	(Macro) Micro PDF-417
Australian 4-state	Micro PDF-417 PDF-417
Canadian 4-state	microQR
Composite AB	Maxi Code
Composite C	QR Code
PDF-417	TLC39
Data Matrix	UK 4-state
Dutch Kix	US Planet
Japanese 4-state	US Postnet
Macro PDF-417	USPS 4-state (US4CB)

Selection chart

Barcode options	Code no.	Version	Code no.	Operating system	Code no.
SE 1524 1D-Long Range Scan Engine	J	28 keys, numeric	A	Windows Embedded Handheld 6.5.3	Q
		43 keys, numeric with (F) function keys	F		
		53 keys, alphanumeric	E		
SE 4500-SR 1D-/2D Imager Engine	3	53 keys, alphanumeric with layout for VT emulation	G	Windows CE 7.0	Y
		53 keys, alphanumeric with layout for 3270 emulation	H		
		53 keys, alphanumeric with layout for 5250 emulation	J		

➡ **Complete order no. B7-A2A4-OG ☐ O/SY ☐ ☐ A600**

MC 92NO ex-G including Li-ion battery (1 piece).

Note: All variants without accessories. You will find the accessories with order details on the accessories pages.
Please insert correct code. Technical data subject to change without notice.