



MC 92NO^{ex}-K
with 1D-Standard Range Scan Engine
or 1D-/2D Imager Engine

Features

- International approvals for global usability
- WLAN radio standard IEEE 802.11 a/b/g/n
- Expanded storage capacity with replaceable SD card
- Various versions of replaceable keyboards
- Based on MC92NO from Motorola
- Service contracts

Description

The MC 92NO^{ex}-K Mobile Computer is a robust device for reliable barcode scanning in hazardous (potentially explosive) areas.

The scan trigger is positioned in such a way that barcodes can be captured very conveniently. The integrated radio module enables real time data access to your host system.

The MC 92NO^{ex}-K combines the strength of Microsoft's Pocket PC platform with the power of the TI OMAP 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 92NO^{ex}-K is working with the IEEE 802.11a/b/g/n radio standard (direct sequence).

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

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

Certification
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 965: 1D-Standard Range Scan Engine
Reading range: approx. 10 cm to 120 cm

SE 4500-SR: 1D/2D Imager Engine
Reading range: approx. 10 cm to 62 cm
Other variants available, see user's manual.

Dimensions (height x width x depth)

231 mm x 91 mm x 59 mm
9.1 inch x 3.6 inch x 2.3 inch

Weight

approx. 700 g
approx. 22 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 OMAP 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 Mobile 6.5.3 or Windows CE 7.0

Power supply

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

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



Mobile Computer MC 92NO^{ex}-NI MC 92NO^{ex}-G for Class I, II, III Div. 2 and ATEX Zone 2/22

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 WLAN

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)

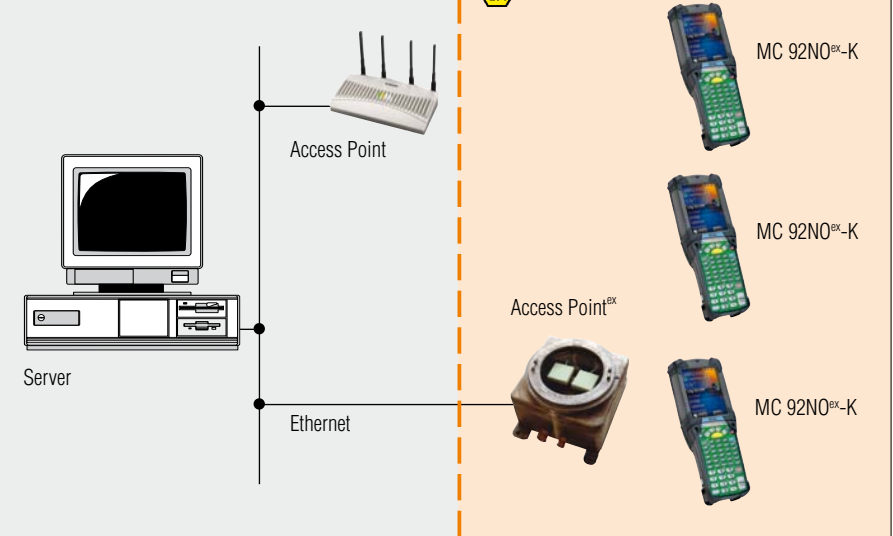
Max. data rate

2.1 Mbit/s

Antenna

Integrated in the device

Connection possibility



The MC 92NO^{ex}-G Mobile Computer with the 1D-Standard 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 965 1D-Standard Range Scan Engine	A	28 keys, numeric	A	Windows Mobile 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-OK** **0/SY** **A600**
MC 92NO^{ex}-K 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.