



**MC 92NO<sup>ex</sup>-G**  
with 1D-Long Range Scan Engine  
or 1D-/2D Imager Engine

**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 MC92NO from Motorola
- Service contracts

**Description**

The MC 92NO<sup>ex</sup>-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 92NO<sup>ex</sup>-G combines the strength of Microsoft's Pocket PC platform with the power of the TI OMAP 4430 dual-core<sup>®</sup> XScale™ processor with 1 GHz.

A further highlight is the large easy-to-read 3.7" VGA colour display with touchscreen technology. The MC 92NO<sup>ex</sup>-G 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**  
applied for

**ATEX Ex protection type**  
II 3G Ex nA IIC T6 Gc  
II 3D Ex tc IIIC T80 °C Dc  
-20 °C ≤ T<sub>a</sub> ≤ +50 °C

**Certification**  
applied for

**Technical data**

**Keyboard version**  
28, 43 and 53 keys

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

**Barcode options**  
SE 1524: 1D-Long Range Scan Engine  
Reading range: 10 cm to 1200 cm  
SE 4500-SR: 1D/2D Imager Engine  
Reading range: approx. 10 cm to 62 cm

**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 OMAP 4430 dual-core<sup>®</sup> 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
<b>Automobile industry</b> (suppliers of paintwork, for paint shops, etc.)	Material flow monitoring Production control Supplier chain management	<b>Dispatch, receiving and stock management departments</b> Personnel who have received instruction on the handling of potentially explosive substances.
<b>Food and beverages</b> (suppliers of aromatic substances, etc.)	Incoming/outgoing goods, inventory management Safety tests	<b>Maintenance and repair</b> Personnel who have received instruction for deployment in potentially explosive areas.
<b>Petrochemicals</b> (from production through further processing to delivery)	Spare parts tracking Maintenance/repair work	<b>Production area</b> Personnel who have received instruction on the handling of potentially explosive substances.
<b>Pharmaceuticals</b> (suppliers of individual components required for production e. g. medication)	Workshop communication Conformity assessment 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 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)

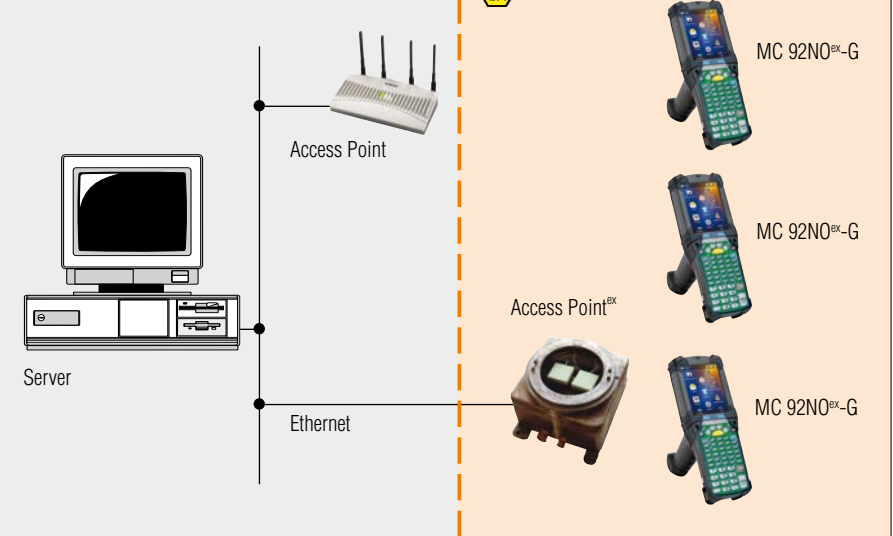
**Max. data rate**

2.1 Mbit/s

**Antenna**

Integrated in the device

**Connection possibility**



The MC 92NO<sup>ex</sup>-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.
<b>SE 1524</b> 1D-Long Range Scan Engine	<b>J</b>	28 keys, numeric	<b>A</b>	Windows Mobile 6.5.3	<b>Q</b>
		43 keys, alphanumeric	<b>F</b>		
		53 keys, alphanumeric	<b>E</b>		
<b>SE 4500-SR</b> 1D-/2D Imager Engine	<b>3</b>	53 keys with layout for VT emulation	<b>G</b>	Windows CE 7.0	<b>Y</b>
		53 keys with layout for 3270 emulation	<b>H</b>		
		53 keys with layout for 5250 emulation	<b>J</b>		

➔ **Complete order no. B7-A2A4-OG**  **O/SY**   **A600**  
**MC 92NO<sup>ex</sup>-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.