



*Mobile Computer
MC 9090^{EX-G}
with 1D-Long Range Scan Engine*

Features

- International approvals for global usability
- Barcode capture up to 12 m
- WLAN radio standard IEEE 802.11 a/b/g
- Easy battery changing in the Ex area
- Expanded storage capacity with replaceable SD card
- Various versions of replaceable keyboards
- Compatibility with MC9090 from Motorola
- Service contracts

Description

The MC 9090^{EX-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 9090^{EX-G} combines the strength of Microsoft's Pocket PC platform with the power of the Intel® XScale™ PXA270 processor with 624 MHz.

A further highlight is the large easy-to-read 1/4 VGA color display with touchscreen technology. The MC 9090^{EX-G} is working with the IEEE 802.11a/b/g radio standard (direct sequence).

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	

Explosion protection

ATEX Ex protection type
II 2G Ex q [ib] IIC T4

Certification
PTB 05 ATEX 2055
For further details see EC Type Certification.

IECEx Ex protection type
Ex q [ib] IIC T4

Certification
IECEx PTB 08.0012
For further details see IECEx Certificate of Conformity.

- Other variants are available for:
- Brazil, Japan, Canada, Russia, South Africa and USA
 - Mining EU

Technical data

Keyboard version
28, 33, 43 and 53 keys

Display
3.8", 1/4 VGA colour display
with touchscreen 240 x 320 pixels

Barcode options
SE 1524: 1D-Long Range Scan Engine
Reading range: 10 cm to 12 m

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. 1060 g
approx. 34 oz

Ambient temperature
-20 °C to +40 °C
-4 °F to +104 °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 54

Processor
Intel® XScale™ PXA270 Processor/624 MHz

Memory
128/128 MB RAM/ROM
with the option of expansion with SD card:
512 MB, 1 GB or 2 GB

Operating system
Windows Mobile 2005



Power supply

Li-ion battery 17-A1Z0-0001 with 7.4 V/2200 mAh
Battery can be changed in the Ex area!

Backup battery

Ni-MH battery (rechargeable)
3.6 V/15 mAh

Interfaces

- RS232
- USB

Application development

SDK available from the Symbol Developer Central Website

Audio System

Integrated microphone and loudspeaker

The MC 9090^{EX}-G Mobile Computer with the 1D-Long Range Scan Engine recognises the following 1D barcodes:

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

■ **Wireless data communication (WLAN)**

Radio standard

IEEE 802.11a/b/g

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

Output power

100 mW (Germany and International)

Antenna

Integrated in the device

Note

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

■ **Bluetooth (WPAN)**

Bluetooth version 1.2 with BT Explorer (including manager)

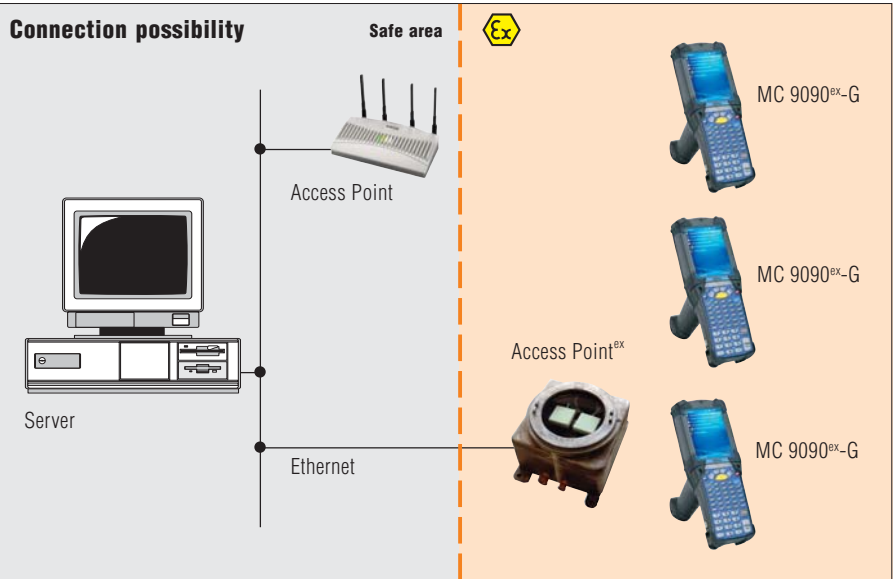
Max. data rate

1 Mbit/s

Antenna

Integrated in the device

Connection possibility



Selection chart

Version	Code no.	SD memory card	Code no.
28 keys, numeric	A	without SD card	00
33 keys, numeric	L		
43 keys, alphanumeric	F	SD card with 512 MB	01
53 keys, alphanumeric	E		
53 keys with layout for VT emulation	G	SD card with 1 GB	02
53 keys with layout for 3270 emulation	H		
53 keys with layout for 5250 emulation	J	SD card with 2 GB	03

➔ **Complete order no. 17-A119-0GJ0/HC** **FA6**

MC 9090^{EX}-G Mobile Computer

with 1D-Long Range Scan Engine including Li-ion battery (1 piece)

Please insert correct code. Technical data subject to change without notice.

Note: All variants without accessories.

You will find the accessories with order details on the accessories pages.