



MC 9190ex-NI for ATEX Zone 2 and 22

Features

- WLAN radio standard IEEE 802.11 a/b/g
- Various barcode applications with various scan engines
 - 1D Barcode capture up to 12 m
 - 1D/2D Barcode capture up to 9.1 m
- Battery can be changed easily by the user
- Expanded storage capacity with replaceable SD card
- Various variants of replaceable keyboards
- Compatibility with MC9190 from Motorola
- Service contracts

Description

The MC 9190ex-NI 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

Microsoft's Pocket PC platform with the power of the Marvell PXA320 processor with 806 MHz.

A further highlight is the large easy-to-read 1/4 VGA colour display with touchscreen technology. The MC 9190ex-NI is working with the IEEE 802.11a/b/g radio standard (direct sequence).

time data access to your host system. The MC 9190ex-NI combines the strength of

Users Dispatch, receiving and stock management departments

Personnel who have received instruction on the handling of potentially explosive substances.

Maintenance and repair

Personnel who have received instruction for deployment in potentially explosive areas.

Production area

Personnel who have received instruction on the handling of potentially explosive substances.

Explosion protection

Ex protection type Zone 2

€ II 3G Ex nA IIC T6 $-20 \, ^{\circ}\text{C} \leq \text{T}_{3} \leq +50 \, ^{\circ}\text{C}$

Ex protection type Zone 22

€ II 3D Ex tD A22 IP 64 T80 °C $-20 \, ^{\circ}\text{C} \leq \text{T}_{3} \leq +50 \, ^{\circ}\text{C}$

Certification

EC Declaration of Conformity No. B1-A283-7C0001 X

📜 Technical data

Kevboard version

28, 43 and 53 keys

Display

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

■ Barcode options

SE1524-ER 1D Long Range Scan Engine Reading range up to approx. 13.7 m

up to approx. 45 feet

SE4600 1D/2D Long Range Imager Engine Extended range omni directional reads

1D and 2D symbols Reading range close up to approx. 20 cm

up to approx. 8 inch

Reading range far up to approx. 9.1 m up to approx. 30 feet

SE4500-SR 1D/2D Imager Engine

Omni directional reads 1D and 2D symbols

Reading range close

up to approx. 5 cm

up to approx. 2 inch

Reading range far

up to approx. 62 cm

up to approx. 24 inch

SE4500-HD 1D/2D Imager Engine with DPM reads a wide variety of DPM marks on metal, plastic and glass surfaces, including: dot peening, laser etching, molding, stamping or casting.

> Reading range close up to approx. 4 cm

up to approx. 1.6 inch

Reading range far up to approx. 28 cm up to approx. 11 inch

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. 710 g approx. 25 oz

depending on version and configuration

Market

Automobile industry

(suppliers of paintwork, for paint shops, etc.)

Food and beverages

(suppliers of aromatic substances,

Petrochemicals

(from production through further processing to delivery)

Pharmaceuticals

(suppliers of individual components required for production e. g. medication)

Applications

Material flow monitoring

Production control

Supplier chain management

Incoming/outgoing goods, inventory management

Safety tests

Spare parts tracking

Maintenance/repair work

Workshop communication Conformity assessment

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Mobile Computer MC 9190ex-NI for ATEX Zone 2 and 22



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

IP 64

Processor

Marvell PXA320-Prozessor/806 MHz

Memory

256 MB RAM/1 GB Flash with the option of expansion with SD card: up to 32 GB

Operating system

Windows Mobile 6.5

Power supply

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

The battery can only be charged and changed in the safe area!

Backup battery

Ni-MH battery (rechargeable)

Interfaces

- RS232
- USB

Application development

SDK available

Audio System

Integrated microphone and loudspeaker

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 (US 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 2.1 with BT Explorer

Antenna

Integrated in the device

The MC 9190ex_NI Mobile Computers with 1D-Scan Engine or with 1D-/2D-Imager Engine recognise 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 1D-/2D-Imager Engine)

Aztec	(Macro) Micro PDF-417
Australian 4-state	Micro 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						
Data capture options		Code no.	Version	Code no.		
SE4500-SR	1D/2D-Imager Engine	3	28 keys, numeric	A		
			43 keys, alphanumeric	F		
SE4500-HD	1D/2D Imager Engine with DPM	5	53 keys, alphanumeric	E		
SE4600	1D-/2D-Long Range Imager Engine	9	53 keys with layout für VT emulation	G		
	524-ER 1D-Long Range Scan Engine J	53 keys with layout for 3270 emulation	Н			
SE1524-ER		J	53 keys with layout for 5250 emulation	J		



Complete order no. B7-A283-OG 📩 O/SW 📩 QA600

MC 9190ex-NI including Li-ion battery (1 pc.)

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