

# DATALOGIC™ memor

Pocket-sized mobile computer

**DATALOGIC**  
Your Life. Our Enthusiasm™



Mobile Computers

## General Description

**PRELIMINARY**

The NEW Datalogic Memor™ pocket-sized Windows powered mobile computer is an extremely compact, lightweight, versatile and robust device, combining integrated bar code reading and wireless communication capabilities (IEEE 802.15 Bluetooth® or IEEE 802.11 b/g).

It is the best solution in any application environment where compactness, robustness and "open system" compatibility are required.

Although small, compact and light, the NEW Datalogic Memor™ takes advantage of full Windows CE 5.0 that runs on an Intel XScale microprocessor with state-of-the-art architecture.

A QVGA 65K color standard display with touch screen providing extra brightness and amazing sharpness makes this device compatible and easy-to-use in daily work.

A phone-like keyboard makes the Datalogic Memor™ user-friendly and provides access to a complete set of alphanumeric characters.

Thanks to all these extraordinary features and to full Datalogic software compatibility, the NEW Datalogic Memor™ satisfies all mobile application needs.

In addition to 64+128MB of on-board memory, a user-accessible Secure Digital card slot expands the storage capacity of the device, satisfying all specific requirements of any application.

Standard connectors on the base of the terminal make direct connection possible for power supply and data communication. The mini-USB cable and compact power supply are provided with the terminal making the NEW Datalogic Memor™ "ready to use out of the box".

For additional application needs, a dedicated cradle is available which includes a slot for spare battery recharging.

The NEW Datalogic Memor™: the best answer for enhancing your business opportunities.

## Features

- > Ergonomic, compact and robust
- > Microsoft Windows CE 5.0
- > Intel PXA Microprocessor
- > Wireless communication option (IEEE 802.15 Bluetooth®, IEEE 802.11 b/g)
- > Laser or CCD bar code reader
- > Sharp and bright QVGA color graphic display with touch screen
- > User-accessible SD memory slot
- > Lightweight (210 g)
- > 1.2 m drop resistance
- > IP54 protection class

## Applications

- > Inventory
- > Shelf replenishment
- > Price management
- > Order entry
- > Assisted sales
- > Line busting

## Specifications

### PHYSICAL CHARACTERISTICS

DIMENSIONS	152 mm (5.98 in) x 55 mm (2.17 in) x 40 mm (1.57 in) (maximum)
WEIGHT	210 g (7.41 oz) incl. standard battery
DISPLAY	Reflective TFT daylight readable color display, 240 x 320 pixels, 2.2 in. (56 mm) diagonal, 64 K colors, backlight, touch screen
KEYBOARD	20 rubber keys, 5-position joystick, backlit keyboard standard
OPERATING TEMPERATURE	0 °C (32 °F) to +50 °C (122 °F)
STORAGE TEMPERATURE	-10 °C (14 °F) to +65 °C (149 °F)
DROP RESISTANCE	Withstands drops from 1.2 meters (3.94 ft) onto concrete
ENVIRONMENTAL SEALING	IP54 standard for water and dust resistance

### PERFORMANCE

OPERATING SYSTEM	Windows CE 5.0
MICROPROCESSOR	Intel® XScale PXA255 @ 200 MHz
SYSTEM RAM MEMORY	64 MB
SYSTEM FLASH MEMORY	128 MB (including Backup directory for user data & programs permanent storage)
EXPANSION SLOTS	Secure Digital (user accessible)
REAL-TIME CLOCK	Time and date stamping under software control

### SERIAL COMMUNICATION

INTERFACES	Electrical: integrated RS232 up to 115.2 Kbps USB: integrated high speed USB and mini USB connector (USB 1.1)
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### WIRELESS DATA COMMUNICATION

LOCAL AREA NETWORK	IEEE 802.11b/g (optional) Antenna: Internal, with diversity option Frequency range: Country dependent, typically 2.4 - 2.5 GHz
PERSONAL AREA NETWORK	IEEE 802.15 Bluetooth® (optional) Antenna: Internal

### POWER MANAGEMENT

POWER SUPPLY	Removable battery pack with rechargeable Li-Ion batteries; 3.6 V 1000/2000 mAh (3.6/7.2 Watt hours); alkaline batteries compatible Local connection (customized and mini USB connector) for fast battery charging
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### LASER CHARACTERISTICS

SCANNING RATE	104 ± 12 scan/sec
MINIMUM RESOLUTION	0.10 mm / 4 mils
DEPTH OF FIELD	5 to 90 cm (2 to 35 in), depending on bar code density
BAR CODES	EAN/UPC, Code 39, 2/5 Codes, Plessey, Codabar, Code 128, EAN128, MSI, Code 93, Code 11
LASER CLASSIFICATION	VLD - Class II EN 60825-1/CDHR

### CCD CHARACTERISTICS

MAXIMUM RESOLUTION	0.13mm/5mils
SKEW ANGLE	+/-60 degrees from normal
PITCH ANGLE	+/-60 degrees from normal
SCAN RATE	100 scan/sec
LIGHT SOURCE	Wavelength 624 nm
SAFETY CLASS	Class I LED Product



Single Cradle



Inside the box

