MEMOR™ X3

DATALOGIC

RUGGED ERGONOMICS

Small, slim and light, the Memor™ X3 mobile computer provides excellent ergonomics for single-handed use, and its rugged, sealed construction survives unintentional drops and exposure to water and dust. Laser models feature a Corning® Gorilla® Glass 2 scan window guaranteeing optimum scanning performance.

CAPTURE

For the capture of 1D/Linear codes, there is a choice of laser or linear imaging technologies. The laser model offers high-speed reading and a greater depth of field, while the linear imager offers high responsiveness in reading poorly printed or damaged codes. Additionally, an area imager option is available for the reading of 2D, linear and stacked codes.

COMPUTE

The Memor X3 mobile computer offers industry standard operating systems, a faster microprocessor, and more RAM memory for applications. A large amount of Flash memory enables the backup of data and the management of large databases, while a user-accessible SD card slot supports up to 32 GB, allowing further extension of its storage capacity.

COMMUNICATE

Models are available in Batch or Wi-Fi, allowing you to transfer data through wired standards (USB, RS-232 or Ethernet, via a cradle) or through a fully Cisco-compatible 802.11 a/b/g/n radio, supporting security protocols such as WPA and WPA2.

READY TO USE

Equipped with a power supply and a full set of software tools (including Wavelink Avalanche™) the Memor X3 mobile computer is ready to use, right out of the box!



FEATURES

- Ergonomic, compact and robust
- Microsoft Windows CE 6.0 Core or CE 6.0 Pro
- Summit embedded IEEE 802.11 a/b/g/n radio with CCX V4 connectivity and security
- *Bluetooth*® wireless technology 2.1 with EDR
- Datalogic's patented 'Green Spot' technology for visual good-read confirmation
- Reading technology options: Laser; Wide-aspect 2D Area Imager; Linear Imager
- 256 MB RAM on Windows CE Pro models / 128 MB on Windows CE Core
- 512 MB Flash memory
- XScale™ PXA 310 @ 806 MHz processor on Windows CE Pro models / 624 MHz on Windows CE Core
- User-accessible micro SD memory slot
- Ruggedized with 1.2 m / 4.0 ft drop to concrete resistance and IP54 sealing protection
- Wavelink Avalanche® device management
- EASEOFCARE Service Plans offer a wide range of service options to protect your investment, ensuring maximum productivity and ROI

INDUSTRY-APPLICATIONS

- Retail: Mass and General Merchandisers, Warehouse Clubs, Do-It-Yourself, Specialty, Pharmacy, Grocery and Convenience Stores
  - Store Management
  - Inventory
  - Shelf Replenishment
  - Price Management
  - Order Entry
  - Assisted Sales
  - Queue-Busting

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TECHNICAL SPECIFICATIONS

WIRELESS COMMUNICATIONS

LOCAL AREA NETWORK (LAN)	Summit IEEE 802.11 a/b/g/n Frequency range: Country dependent, typically 2.4 and 5.2 GHz; CCX v4 Security
PERSONAL AREA NETWORK (PAN)	*Bluetooth* Wireless Technology 2.1 with EDR, Class 2

DECODING CAPABILITY

1D / LINEAR CODES	Auto discriminates all standard 1D codes including GS1 DataBar™ linear codes.
2D CODES	Aztec Code, Data Matrix, Intelligent Mail, Maxicode, QR Code, Micro QR Code, UPU FICS, USPS 4CB
POSTAL CODES	Australian Post, Japanese Post, KIX Post; Planet Code, Postnet, Royal Mail Code (RM4SCC)
STACKED CODES	MicroPDF417, PDF417

ELECTRICAL

BATTERY	Removable battery pack with rechargeable Lithium-ion batteries; 3.7 V 1430/2300 mAh (5.29/8.51 Watt hours)

ENVIRONMENTAL

DROP RESISTANCE	Withstands drops from 1.2 m / 4.0 ft onto concrete
TUMBLE	1,000 random falls from 0.5 m / 1.6 ft
PARTICULATE AND WATER SEALING	IP54
TEMPERATURE	Operating: -10 to 50 °C / 14 to 122 °F Storage/Transport: -20 to 70 °C / -4 to 158 °F

INTERFACES

INTERFACES	Electrical: Integrated RS-232 up to 115.2 Kbps; USB: Integrated Micro USB A connector, Host 1.1 and Client 2.0

PHYSICAL CHARACTERISTICS

DIMENSIONS	15.6 x 5.7 x 4.0 cm / 6.1 x 2.2 x 1.6 in
DISPLAY	Reflective TFT daylight readable color display QVGA, 240 x 320 pixels, 2.4 in diagonal, 64 K colors, backlight, touch screen
KEYPAD	25 keys, backlit keyboard, 2 programmable lateral keys
WEIGHT	233.0 g / 8.2 oz including standard battery
SCAN WINDOW	Corning® Gorilla® Glass 2 (Laser scanner only)

READING PERFORMANCE

2D AREA IMAGER	Depth of Field: 3.5 to 50.0 cm / 1.3 to 19.6 in, depending on bar code density; Minimum Resolution: Linear codes at 4 mils; 2D codes at 5 mils; Scan Rate: 60 frames/sec maximum; Good-Read Feedback: Datalogic's patented 'Green Spot' technology
LINEAR IMAGER	Depth of Field: 3.8 to 61.0 cm / 1.5 to 24.0 in, depending on bar code density; Minimum Resolution: 0.127 mm / 4 mils; Scan Rate: 50 scans/sec nominally; Good-Read Feedback: Datalogic's patented 'Green Spot' technology
LASER	Depth of Field: 5.0 to 64.0 cm / 2.0 to 25.2 in, depending on bar code density; Minimum Resolution: 0.100 mm / 4 mils; Scan Rate: 104 +/- 12 scans/sec; Good-Read Feedback: Datalogic's patented 'Green Spot' technology

SAFETY AND REGULATORY

AGENCY APPROVALS	The product meets necessary safety and regulatory approvals for its intended use.
ENVIRONMENTAL COMPLIANCE	Complies to EU RoHS
LASER CLASSIFICATION	VLD - Class 2 IEC/EN60825-1; Compliant with 21 CFR 1040.10 except for deviations pursuant to laser notice No. 50 dated June 24, 2007.
LED CLASSIFICATION	Exempt Risk Group IEC/EN62471

SOFTWARE

APPLICATIONS	Datalogic's Pal Application Library prelicensed
CONFIGURATION & MAINTENANCE	Wavelink Avalanche™ prelicensed, Avalanche Remote Control, Avalanche SecurePlus, Datalogic Firmware Utility (DFU); Datalogic Desktop Utility (DDU); Datalogic Configuration Utility (DCU)
DEVELOPMENT	Datalogic SDK (C/C++, .NET, JAVA), Wavelink Studio®, DL Mobility Developer Assistant, MCL-Collection, Java Virtual Machine
WEB BROWSER	Datalogic Locked Web Browser
SECURITY	Wavelink CE Secure, Wavelink Certificate Manager
TERMINAL EMULATION	Wavelink Terminal Emulation, Wavelink ConnectPro

SYSTEM

AUDIO	Speaker, integrated microphone
EXPANSION SLOTS	Micro SD card slot compatible with SDHC cards, user-accessible
MEMORY	System Flash: 512 MB (including backup directory for user data and programs permanent storage) System RAM: 256 MB on all the Windows CE 6.0 Pro models; 128 MB on Windows CE Core models
MICROPROCESSOR	XScale™ PXA310 @ 806 MHz on Windows CE 6.0 Pro models; 624 MHz on Windows CE 6.0 Core models
OPERATING SYSTEM	Microsoft Windows CE 6.0 Pro with Microsoft WordPad and Internet Explorer 6.0; Microsoft Windows CE 6.0 Core
REAL-TIME CLOCK	Time and date stamping under software control

WARRANTY

WARRANTY	1-Year Factory Warranty

ACCESSORIES

Docks/Battery Chargers



▪ 94A150058 Single Slot Cradle with Spare Battery Charging



▪ 94A150059 Single Slot Cradle Ethernet/USB with RS-232 and Spare Battery Charging



▪ 94A150060 Four-Slot Dock, Charge only
▪ 94A150066 Four-Slot Dock, Ethernet



▪ 94A151123 Multi-Battery Charger

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