



## 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, a micro-USB cable and a full set of software tools (including Wavelink Avalanche™) the Memor 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

## TECHNICAL SPECIFICATIONS

### PHYSICAL CHARACTERISTICS

|                    |  |
|--------------------|--|
| DIMENSIONS DISPLAY | 15.6 x 5.7 x 4.0 cm / 6.1 x 2.2 x 1.6 in<br>Reflective TFT daylight readable color display<br>QVGA, 240 x 320 pixels, 2.4 in diagonal,<br>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)   |

### SYSTEM

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

### COMMUNICATIONS

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

### ENVIRONMENTAL

|                               |  |
|-------------------------------|--|
| DROP RESISTANCE               | Withstands drops from 1.2 m / 4.0 ft onto concrete                                       |
| TUMBLE                        | 1000 random falls from 0.5 m / 1.6 ft  |
| PARTICULATE AND WATER SEALING | IP54   |
| TEMPERATURE                   | Operating: -20 to 50 °C / -4 to 122 °F<br>Storage/Transport: -20 to 70 °C / -4 to 158 °F |

### ELECTRICAL

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

### INTERFACES

|            |   |
|------------|---|
| INTERFACES | Electrical: Integrated RS-232 up to 115.2 Kbps<br>USB: Integrated mini USB connector, Host 1.1 and Client 2.0 |
|------------|---|

### DATA CAPTURE

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

### 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   |

### SOFTWARE

|  |  |
|--|--|
| APPLICATIONS CONFIGURATION & MAINTENANCE | Datalogic's Pal Application Library prelicensed<br>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 SECURITY                     | Datalogic Locked Web Browser<br>Wavelink CE Secure, Wavelink Certificate Manager   |
| TERMINAL EMULATION                       | Wavelink Terminal Emulation, Wavelink ConnectPro   |

### 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   |

### WARRANTY

|          |                         |
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| WARRANTY | 1-Year Factory Warranty |
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## 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