

**New**

# DATALOGIC™ memor



## HAND HELD

## HIGHLIGHTS

### > RUGGED ERGONOMICS

Small and slim, the Datalogic Memor™ provides excellent ergonomics for single-handed use with rugged construction to survive unintentional drops and exposure to water and dust

### > MODERN

The Datalogic Memor™ advances the market with industry standard operating systems, a large on board memory and a user accessible SD card slot to backup data or manage large databases

### > CAPTURE

The Datalogic Memor™ captures tomorrow's barcodes today. A 2D imager enables a wide range of Linear, Stacked, 2D, and direct part marked bar codes as well as signature capture. Or choose Laser speed plus Datalogic's patented Green Spot good read feedback for GS1 Databar and other linear codes

### > COMMUNICATE

The Datalogic Memor™ WWAN and WLAN radios combine with a color touch screen display, microphone, speaker, user friendly numeric keypad, to satisfy all smart phone application needs

### > READY-TO-USE

A full set of software tools including Wavelink® Avalanche™ make the Datalogic Memor™ ready to deploy plus every Datalogic Memor™ comes with a power supply and mini USB cable to be up and running the first day.

## FEATURES

- > Ergonomic, compact and robust
- > Microsoft Windows Mobile 6.1 or Windows CE 5.0
- > Edge mobile radio for voice and data communication
- > Summit embedded Wi-Fi for enterprise-class mobile connectivity with CCX V4 certification
- > High performance laser with Green Spot patented good read confirmation
- > Wide aspect 2D imager
- > 128 MB RAM / 256 MB Flash memory
- > XScale™ PXA 310 @ 624 MHz processor
- > Bluetooth® wireless communications
- > User-accessible SD memory slot
- > Ruggedized with 1.2 m (4 ft) drop to concrete resistance and IP54 protection class
- > Wavelink Avalanche® device management

## 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
  - > Line busting
- > Field Force Automation: Sales, Service and Courier
  - > Proof of delivery
  - > Work orders
  - > Driver communications
  - > Route management
  - > Inventory management



## > PHYSICAL CHARACTERISTICS

|                       |   |
|-----------------------|---|
| DIMENSIONS            | WLAN/Batch: 152 x 55 x 40 mm (5.98 x 2.2 x 1.6 in)<br>Edge: 165 x 55 x 40 mm (6.5 x 2.2 x 1.6 in)<br>230 g (8.11 oz) incl. standard battery |
| WEIGHT<br>DISPLAY     | Reflective TFT daylight readable color display,<br>240 x 320 pixels, 56 mm (2.2 in) diagonal, 64<br>K colors, backlight, touch screen       |
| KEYBOARD              | 23 rubber keys, 5-position joystick, backlit<br>keyboard standard   |
| OPERATING TEMPERATURE | 0° +50°C (32° to 122°F)   |
| STORAGE TEMPERATURE   | -20° +70°C (-4° to 158°F)   |
| DROP RESISTANCE       | Withstands drops from 1.2 m (4 ft) onto<br>concrete   |
| ENVIRONMENTAL SEALING | IP54 standard for water and dust resistance   |

## > SYSTEM

|                     |  |
|---------------------|--|
| OPERATING SYSTEM    | Microsoft Windows CE 5.0 with Microsoft<br>WordPad and Internet Explorer 6.0<br>Microsoft Windows Mobile 6.1 with Mobile<br>tools: Outlook, Word Mobile, Excel Mobile,<br>PowerPoint Mobile, One Note Mobile and<br>Internet Explorer Mobile 6.0 |
| MICROPROCESSOR      | XScale™ PXA310 @ 624 MHz   |
| SYSTEM RAM MEMORY   | 128 MB   |
| SYSTEM FLASH MEMORY | 256 MB (including Backup directory for user<br>data & programs permanent storage)  |
| EXPANSION SLOTS     | Micro SD card slot compatible with SDHC<br>cards, user-accessible  |
| REAL-TIME CLOCK     | Time and date stamping under software<br>control   |
| POWER SUPPLY        | Removable battery pack with rechargeable<br>Li-polymer/Li-ion batteries; 3.7 V 1100/2000<br>mAh (4.07/7.40 Watt hours)   |

## > COMMUNICATIONS

|                             |   |
|-----------------------------|---|
| INTERFACES                  | Electrical: integrated RS232 up to 115.2 Kbps<br>USB: integrated mini USB connector, Host 1.1<br>and Client 2.0         |
| WIDE AREA NETWORK (WAN)     | Quad-Band GSM 850/900/1800/1900 MHz<br>for voice and data communication<br>EDGE data rates up to 236.8 kbps             |
| LOCAL AREA NETWORK (LAN)    | SIM socket under the battery<br>Summit IEEE 802.11b/g<br>Frequency range: Country dependent, typically<br>2.4 - 2.5 GHz |
| PERSONAL AREA NETWORK (PAN) | CCX v4 Security<br>Bluetooth® Wireless Technology IEEE 802.15<br>Class 2 with EDR                                       |

## > READING OPTIONS

### LASER CHARACTERISTICS

|                    |   |
|--------------------|---|
| SCANNING RATE      | 104 ± 12 scan/sec   |
| MINIMUM RESOLUTION | 0.10 mm / 4 mils  |
| DEPTH OF FIELD     | 5 to 64 cm (2 to 25 in), depending on bar code<br>density |

### BAR CODES

### LASER CLASSIFICATION

### IMAGER CHARACTERISTICS

|                    |  |
|--------------------|--|
| SCANNING RATE      | 60 frames/sec maximum  |
| MINIMUM RESOLUTION | Linear codes at 4 mils; 2D codes at 5 mils   |
| BAR CODES          | UPC A, UPC E, EAN 8, EAN 13, Interleaved 2<br>of 5, Code 39, Code 39 Full ASCII, Codabar,<br>Code 128, EAN 128, Code 93, PDF417,<br>DataMatrix, QR, Macro PDF, GS1 Databar,<br>POSTNET, PLANET, Japan Post, Australia<br>Post, KIX Code, Royal Mail RM4SCC |

### LASER CLASSIFICATION

### LED CLASSIFICATION

### RESOLUTION

### IMAGE FORMATS

|               |   |
|---------------|---|
| RESOLUTION    | CDRH/IEC Class II<br>IEC Class 1M<br>Wide VGA (752 H x 480 V pixels), 256 gray<br>scale |
| IMAGE FORMATS | BMP, JPEG   |

## > SOFTWARE

### DEVELOPMENT

|                                  |
|----------------------------------|
| Windows SDK™                     |
| DL Mobility Developer Assistant™ |
| MCL-Collection™                  |
| Java Virtual Machine (Crème)     |

### TERMINAL EMULATION

|                              |
|------------------------------|
| Wavelink Terminal Emulation™ |
| Wavelink TermProxy           |

### CONFIGURATION & MAINTENANCE

|                                 |
|---------------------------------|
| Wavelink Avalanche®             |
| Avalanche Remote Control™       |
| Avalanche CE Secure™            |
| Datalogic Firmware Utility      |
| Datalogic Desktop Utility       |
| Datalogic Configuration Utility |

### APPLICATIONS

|  |
|--|
| Vo-CE™ (voice recognition)             |
| Wavelink® Communicator (push to talk)  |
| Wavelink SpeakEasy (voice recognition) |

# ACCESSORIES



Caution: Laser Radiation -  
do not stare into beam



Single Slot Cradle  
with Spare Battery Slot



Powered Vehicle Dock  
with serial



Cigarette Lighter Adapter



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