

# memor™



## HAND HELD

## HIGHLIGHTS

### > RUGGED ERGONOMICS

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

### > COMPUTE

The Memor™ leverages industry standard operating systems, a large on board memory and a user accessible SD card slot to backup data and manage large databases

### > CAPTURE

The Memor™ captures tomorrow's barcodes today including GS1 Databar. A 2D imager enables a wide range of Linear, Stacked, 2D, and direct part marked bar codes. Or a Laser scanner offers Datalogic's patented Green Spot good read feedback for error proof reads of linear codes

### > COMMUNICATE

The Memor™ WAN or LAN radio combines 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 Memor™ ready to deploy plus every 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
- > GSM/GPRS/Edge mobile radio for voice and data communication
- > Summit embedded Wi-Fi for enterprise-class mobile connectivity with CCX V4 certification
- > Bluetooth® wireless communications
- > 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
- > User-accessible micro SD memory slot
- > Ruggedized with 1.2 m (4 ft) drop to concrete resistance and IP54 protection class
- > Wavelink Avalanche® device management
- > Pal Application Library precensored

## 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	LAN/Batch: 152 x 55 x 40 mm (5.98 x 2.2 x 1.6 in) WAN: 165 x 55 x 40 mm (6.5 x 2.2 x 1.6 in)
WEIGHT DISPLAY	230 g (8.11 oz) incl. standard battery Reflective TFT daylight readable color display, 240 x 320 pixels, 56 mm (2.2 in) diagonal, 64 K colors, backlight, touch screen
KEYBOARD	23 rubber keys, 5-position joystick, backlit 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 concrete
ENVIRONMENTAL SEALING	IP54 standard for water and dust resistance

## > SYSTEM

OPERATING SYSTEM	Microsoft Windows CE 5.0 with Microsoft WordPad and Internet Explorer 6.0 Microsoft Windows Mobile 6.1 with Mobile tools: Outlook, Word Mobile, Excel Mobile, PowerPoint Mobile, One Note Mobile and 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 data & programs permanent storage)
EXPANSION SLOTS	Micro SD card slot compatible with SDHC cards, user-accessible
REAL-TIME CLOCK	Time and date stamping under software control
POWER SUPPLY	Removable battery pack with rechargeable Li-polymer/Li-ion batteries; 3.7 V 1100/2000 mAh (4.07/7.40 Watt hours)

## > COMMUNICATIONS

INTERFACES	Electrical: integrated RS232 up to 115.2 Kbps USB: integrated mini USB connector, Host 1.1 and Client 2.0
WIDE AREA NETWORK (WAN)	Quad-Band GSM 850/900/1800/1900 MHz for voice and data communication EDGE data rates up to 236.8 kbps SIM socket under the battery Standby Time: 150 hours; Talk Time: 5 hours
LOCAL AREA NETWORK (LAN)	Summit IEEE 802.11b/g Frequency range: Country dependent, typically 2.4 - 2.5 GHz
PERSONAL AREA NETWORK (PAN)	CCX v4 Security Bluetooth® Wireless Technology IEEE 802.15 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 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
DEPTH OF FIELD	4.3 to 35.0 cm (1.7 to 13.8 in), depending on bar code density

### BAR CODES

### LASER CLASSIFICATION LED CLASSIFICATION

PDF417, Micro PDF, Datamatrix, QR Code, Micro QR, Maxicode, Aztec, Postnet, Planet, Japan Post, Aztec, Australia Post, KIX Code, Royal Mail, Intelligent Mail, UPU FICS, GS1 Databar, EAN/UPC, Code 32, Code 39, 2/5 Codes, Codabar, Code 128, EAN128, MSI, Code 93, ISBT 128, Bookland EAN and ISSN EAN
CDRH/IEC Class II
IEC Class 1M

## > SOFTWARE

### DEVELOPMENT

Windows SDK™
DL Mobility Developer Assistant™
MCL-Collection™
Java Virtual Machine

### 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)
Pal Application Library prelicensed

# ACCESSORIES



Caution: Laser Radiation - do not stare into beam



Single Slot Cradle  
with Spare Battery Slot



Powered Vehicle Dock  
with serial



Power Adapter Cable

Specifications are subject to change. Please check [www.mobile.datalogic.com](http://www.mobile.datalogic.com) for the latest product specifications. For information on product use limitations, please refer to the user manual available at [www.mobile.datalogic.com/manuals](http://www.mobile.datalogic.com/manuals)