



## RUGGED ERGONOMICS

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

## COMPUTE

The Memor™ mobile computer 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™ mobile computer captures tomorrow's bar codes today including GS1 DataBar™. A 2D imager enables a wide range of linear, stacked, 2D and direct part-marked bar codes. A laser scanner offers Datalogic's patented 'Green Spot' technology for good read feedback.

## COMMUNICATE

The Memor™ LAN radio combines with a color touch screen display, microphone, speaker and user friendly numeric keypad.

Memor is available in Batch or Wi-Fi models, 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 radio, supporting security protocols such as WPA™ and WPA2™.

## READY-TO-USE

A full set of software tools including Pal application library and Wavelink® Avalanche™ make the Memor™ mobile computer ready to deploy. Every Memor™ comes with a power supply and mini-USB cable to be up and running out of the box.



## FEATURES

- Ergonomic, compact and robust
- Microsoft Windows Mobile® 6.1 or Windows CE 5.0
- Summit embedded IEEE 802.11 a/b/g radio with CCX V4 connectivity and security
- Bluetooth® wireless communications
- Laser with Datalogic's patented 'Green Spot' technology for 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 / 4.0 ft drop to concrete resistance and IP54 protection
- Wavelink Avalanche® device management
- Pal™ Application Library

## 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
  - Line Busting

**WIRELESS COMMUNICATIONS**

LOCAL AREA NETWORK (LAN)	Summit IEEE 802.11 a/b/g Frequency range: Country dependent, typically 2.4 and 5.2 GHz
PERSONAL AREA NETWORK (PAN)	CCX v4 Security Bluetooth® Wireless Technology IEEE 802.15 Class 2 with EDR

**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, UPU FICS, USPS 4CB
POSTAL CODES	Australian Post, Japan Post, KIX Code; PLANET, POSTNET, KIX Code, Royal Mail Code (RM4SCC)
STACKED CODES	Micro PDF, PDF417

**ELECTRICAL**

BATTERY	Removable battery pack with rechargeable Li-polymer / Li-ion batteries; 3.7 V 1100/2000 mAh (4.07/7.40 Watt hours)
---------	--

**ENVIRONMENTAL**

DROP RESISTANCE	Withstands drops from 1.2 m (4 ft) onto concrete
PARTICULATE AND WATER SEALING	IP54
TEMPERATURE	Operating: 0 to 50 °C / 32 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 mini USB connector, Host 1.1 and Client 2.0
------------	---

**PHYSICAL CHARACTERISTICS**

DIMENSIONS	LAN/Batch: 15.2 x 5.5 x 4.0 cm / 6.0 x 2.2 x 1.6 in
DISPLAY	Reflective TFT daylight readable color display QVGA, 240 x 320 pixels, 2.2 in diagonal, 64 K colors, backlight, touch screen
KEYPAD	23 keys, 5-position joystick, backlit keyboard standard
WEIGHT	230 g / 8.11 oz including standard battery

**READING PERFORMANCE**

IMAGING	Depth of Field: 4.3 to 35.0 cm / 1.7 to 13.8 in, depending on bar code density Minimum Resolution: Linear codes at 4 mils; 2D codes at 5 mils Scan Rate: 60 frames/sec maximum
LASER	Depth of Field: 5 to 64 cm / 2 to 25 in, depending on bar code density Minimum Resolution: 0.10 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	Vo-CE™ (voice recognition), Wavelink® SpeakEasy (voice recognition) Pal™ Application Library prelicensed
CONFIGURATION & MAINTENANCE	Wavelink Avalanche® prelicensed, Avalanche Remote Control™, Avalanche Secure Plus™, 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
SECURITY	Wavelink CE Secure, Wavelink Certificate Manager
TERMINAL EMULATION	Wavelink Terminal Emulation, Wavelink ConnectPro

**SYSTEM**

AUDIO	Speaker, integrated microphone, vibrator
EXPANSION SLOTS	Micro SD card slot compatible with SDHC cards, user-accessible
MEMORY	System Flash: 256 MB (including Backup directory for user data & programs permanent storage) System RAM: 128 MB
MICROPROCESSOR	XScale™ PXA310 @ 624 MHz
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
REAL-TIME CLOCK	Time and date stamping under software control

**WARRANTY**

WARRANTY	1-Year Factory Warranty
----------	-------------------------



Caution: Laser Radiation - do not stare into beam

**Docks/Battery Chargers**

- 94A151111 Single Slot Cradle with Spare Battery Charging
- 94A151122 Single Slot Ethernet/USB with RS-232 and Spare Battery Charging

**Miscellaneous**

- 94ACC1367 Extended Battery and Cover
- 94ACC1394 Headset VXi VR12 (CE only)

