



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)
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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
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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
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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)

