

M7225



Wireless Handheld Computer



The M7225 is a richly featured, wireless handheld computer designed for use in retail, manufacturing, and warehouse data capture applications. Its industrial rating makes it durable enough for harsh or challenging environments, but it is lightweight and compact enough to be used in retail and other commercial applications. Powered by Windows® CE 6.0, the M7225 is available with a high-power, Summit 802.11a/b/g radio, laser or 2D barcode scan engines, 3.5" high-color LCD with touch panel, and full audio support. For virtually any barcode data collection application, the M7225 is the sensible solution.

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The M7225 has numerous charging options available and comes with or without a pistol grip handle.

Features

- Multiple Scan Engine Options
- 19.2 watt hour Li-Ion battery
- Weighs just 17.6 oz (500 grams) w/o handle
- Windows® CE 6.0
- 128MB RAM, 128MB ROM (microSD card for expansion)
- Full audio capability
- Numerous configurations available

Benefits

- Available with fully integrated 1D laser or 2D omni-directional imager.
- Enables all-day operation without a battery swap or re-charge.
- Minimizes fatigue, permitting all day use in scan-intensive applications.
- Latest embedded operating system from Microsoft®. Use standard Windows embedded software tools including Microsoft Embedded Visual C++ and Visual Studio to develop custom applications.
- More than enough memory for virtually any software application.
- Integrated amplified speaker and headphone/microphone jack. Dedicated high-power beeper for barcode scanner.
- Configure the M7225 to fit the application requirements. Choose between 1D and 2D barcode scan engines. Connectivity options include a high-power, Summit 802.11a/b/g radio or batch operation. Available with or without pistol-grip handle.

General Specifications

Dimensions	225 mm L x 89 mm W x 57 mm D (8.9" L x 3.5" W x 2.3" D)
Weight	500g / 17.6 oz (w/o optional handle)
Drop Specifications	5 ft. (1.5m) drop to concrete
Display	3.5" QVGA (320x240), 16-bit Color TFT LCD
Touchscreen	Integrated Resistive Touch Panel
Keypad	55-key alphanumeric
Power	2600 mAh Lithium-ion; 19.2 watt-hours
Internal Backup Battery	3.7V, 160 mAh Lithium-ion; retains memory during battery swaps
I/O Ports	USB Host/Slave - expands through communication cradle
WLAN	High-Power (63mW) Summit 802.11a/b/g
Audio	Hi-Fi Digital Audio codec with up to 48MHz sample rate; Integrated Speaker and Amplifier; Internal headphone/microphone driver with standard 3.5mm jack; Integrated high-power scan engine beeper
Bar Code Scanning	Standard Range Laser; 2D Omni-Imager
User Feedback	OnScreen Scan Verification; Beeper/Speaker; Internal programmable vibration motor; Good/Bad read LED

Performance Specifications

Processor	Samsung® S3C2440 @ 400 MHz
Architecture	32-bit RISC ARM9 with AMBA (Advanced Microcontroller Bus Architecture)
Memory (RAM)	128 MB RAM
Memory (Flash storage)	128 MB Integrated Flash ROM
Memory Expansion	microSD Card Socket
Operating System	Windows® Embedded CE 6.0 R2
Software	Internet Explorer®; Remote Desktop; Wavelink TE Client (license sold separately)

Standard Warranty

AML products are warranted against defects in material and workmanship under normal use and service for a period of one year from the date of purchase. The obligation of AML under this warranty is limited to furnishing labor and materials necessary to return the product to its normal operating condition, or to replace the unit, at AML's discretion, and only on a "return to factory" basis. This limited warranty does not extend to any product, which has been modified, misused, abused, or incorrectly installed. Warranty, also, does not extend to any product that has been repaired or altered by any party other than AML, or has been subjected to unusual physical or electrical stress, negligence or accident. Prior to returning a product for repair, the user must obtain a Return Authorization Number, which must be clearly marked on the outside of the shipping container.

Summit® Radio Specifications

Radio	IEEE 802.11a/b/g
Frequency	2.4 GHz Range
Output Power	18 dBm (63 mW)
Receive Sensitivity	-96 dBm @ 1 Mbps
Security	None; 64/128 Bit WEP; WPA/WPA2 Personal (PSK); WPA/WPA2 Enterprise (EAP); 802.1X Authentication Supplicants; Cisco Compatible Extensions (Version 4)



Environmental Specifications

Operating Temp	-20° to 50° C / -4° to 122° F
Storage Temp	-30° to 60° C / -22° to 140° F
Humidity	0% to 90% RH, non-condensing
Electrostatic Discharge	15kVDC through air; 8kVDC contact
Sealing	IP54; NEMA 12

Regulatory Specifications

Certifications	FCC, CE
Environmental	RoHS, Pb-Free

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Corporate Headquarters
2190 Regal Parkway
Euless, Texas 76040

Sales & Customer Service
Tel: 800-648-4452
Fax: 817-685-6232
Email: sales@amltd.com

www.amltd.com
Local: 817-571-9015
Fax: 817-571-6176

Technical Support
Tel: 877-842-3990
Fax: 817-685-6232
Email: support@amltd.com

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