

M7100



Wireless Hand-Held Terminal

Powerful performance for mobile data collection applications

The AML M7100 Wireless Hand-Held Terminal is redefining the standard for wireless data collection technology. Incorporating the best of today's wireless technology, with the reliable performance of open source, embedded Linux®, the M7100 maximizes flexibility, performance, and value in mobile data collection computing. Built tough and optimized for cost-effectiveness, the M7100 is an ideal solution for real-time, information-intensive applications in retail, distribution, warehousing, manufacturing, and health care.

User friendly functionality

The M7100 is richly configured with advanced features to optimize operational efficiency and productivity – ensuring the rapid, timely processing of mission critical data, even in the most demanding applications. Powered by the fast Intel® StrongARM® processor, the M7100 is equipped with 16MB of built-in RAM and 4MB Flash ROM for ample storage capacity. Its internal radio supports IEEE 802.11b wireless local area network (WLAN) connectivity for real-time, high-rate data transfer between mobile operators and host applications. Extended operation is ensured by the M7100's enhanced power management, which supports eight-hour work shifts without recharging.

The M7100 integrates into a wide range of computing environments and supports AML's Windows® compatible CommandLink™ wireless data collection software, C++, and Basic. VT100/VT220 terminal emulation is standard on the M7100, with options available for IBM 3270 and 5250. The M7100's computing flexibility simplifies the application development process, making the terminal quick and easy to implement – maximizing your return on investment.

Designed for maximum flexibility

Rugged but ergonomic, the M7100 provides comfort and ease of use in scan-intensive applications. The M7100 sports a lightweight, contoured design for comfortable, one-handed operation over extended periods of use. The graphical 160 x 160 backlit LCD with multi-font capability is easy to read, even in dimly lit environments. The spacious LCD screen supports the display of large amounts of information, minimizing the need for screen scrolling.

The M7100 is designed to provide maximum flexibility across a wide range of data collection applications. The M7100 features an easy-to-use 55-key alphanumeric keypad, multiple integrated scanner options, RS-232 and infrared communication ports. Accessories include a removable pistol grip with trigger, communications/charging cradle, and holster.

AML is a leading developer & manufacturer of reliable, high-performance bar code and data collection products. Since 1983, AML and its partners have helped thousands of companies worldwide to increase business efficiency and productivity – in manufacturing, warehousing, retail, health care, finance, government, and education. AML products are made in the United States and backed with lifetime, toll-free technical support.



Model 7100
Wireless Hand-Held Terminal

Features	Benefits
Rugged, ergonomic design	Supports comfortable, one-handed operation over extended periods of use. Holds up in industrial environments.
Intel StrongARM® Processor	Rapid processing power
Integrated IEEE 802.11b radio with up to 11Mbps throughput	WLAN connectivity for real-time, high-rate data transfer
16MB RAM, 4MB Flash ROM Optional: 32MB RAM/16MB ROM	Ample storage capacity, even for the most information-intensive applications
Graphical 160 x 160 backlit LCD display with multi-font capability	Easy to read, even in dimly lit environments
55-key alphanumeric keypad	Maximizes data entry across a wide range of data collection applications
Rechargeable, high capacity 1500 mAh Lithium-Ion battery	Enhanced power management for eight-hour work shifts without recharging
Open source, embedded Linux® architecture	Highly reliable system performance
IrDA Communication Port	Allows communication to peripheral devices

M7100

Wireless Hand-Held Terminal

Physical Characteristics

Dimensions:	Overall: 8.875" length x 3.5" width x 2.0" depth
Weight (including battery):	16.0 oz.
Drop Specifications:	4 ft. to concrete
Display:	Graphical 160 x 160 backlit LCD with multi-font capability
Battery:	Rechargeable 1500 mAh Lithium-Ion
Operating Temperature:	14° to 122°F/-10° to 50°C
Storage Temperature:	-13° to 122°F/-25° to 50°C
Humidity:	5% to 90% RH non-condensing
Electrostatic Discharge (EDS):	15 kVdc air; 4kVdc contact
Back-lit Display:	EL
Keypad:	55-key alphanumeric
Integrated Scanner Options:	Long Range Laser, Standard Laser, or Long Range CCD

Performance Characteristics

ARM® and StrongARM® are trademarks of ARM, Ltd.

CPU:	Intel StrongARM® SA1110 @ 133MHz
Operating Platform:	Open source, embedded Linux®
Memory:	16 MB RAM/4MB ROM
Application Development:	AML CommandLink™ Wireless Data Collection Software, C++, and Basic. Options available for terminal emulation and client/server applications.
Communications:	IrDA; RS-232

Wireless Data Communications

Optics:	645 nm visible LED Bright and sharp scanning line
Wireless Local Area Network:	IEEE 802.11b
Data Rate:	11, 5.5, 2 or 1 Mbps, auto-select
Frequency:	2.4 GHz
Output Power:	16dBm max.
Encryption:	None, 40 Bit, 128 Bit
Antenna:	Internal (WLAN)

Optional Peripherals & Accessories

Terminal Emulation:	VT100, VT220, HP700, IBM 3270 or IBM 5250
Comm/Charging Cradle:	Spare battery charger, terminal charger, data interface
Pistol Grip:	Removable pistol grip with trigger
Holster:	Durable holster with belt

Regulatory

EMI/RFI:	FCC Part 15 Class A
Laser Safety:	CDRH Class II, IEC Class 2

Specifications and information are subject to change without notice. All trademarks are the property of their respective owners.



M7100 Wireless Hand-Held Terminal with Communications/Charging Cradle



M7100 Wireless Hand-Held Terminal with Removable Pistol Grip

Options

Additional extended warranty coverage for up to three (3) years.

Maintenance & Support

A one (1) year warranty agreement is included with the purchase of the M7100.



American Microsystems, Ltd.

Innovation | Performance | Service | Commitment

2190 Regal Parkway

Euless, Tx 76040

www.amltd.com

1-800-648-4452

email:sales@amltd.com



AML/M7100



MADE IN THE U.S.A.

© 2002 American Microsystems, Ltd.