

M7220 Series



Wireless Terminal



Keep your wireless deployment on track & on budget

The AML M7220 is the affordable, flexible solution for professionals who require a tough yet easy to use wireless terminal to support all day, real-time data capture in retail, distribution and manufacturing environments.

The M7220 series is the perfect wireless data collection device for terminal emulation applications. With built-in clients for VT100, VT220, TN3270, and TN5250, no third party software is required. Connectivity is quick and easy with the M7220.



Multiple product configurations ensure operational flexibility across a wide range of data capture applications. Choose a 55-key alphanumeric keypad or a lockable 35-key numeric keypad for applications requiring fast numeric data entry. Fully integrated scan engine options include Lorax "Near/Far" laser, standard laser, long range laser, advanced long range laser or 2D imager for picture and signature capture.



Applications

- Inventory
- Stock Control
- Shipping
- Receiving
- Factory Floor
- Price Verification
- Asset Tracking

Features

- Rugged, ergonomic design
- Samsung® ARM9 processor
- Open source Linux® architecture
- Integrated 802.11b/g WLAN radio with WEP & WPA/WPA2
- Menu-driven setup
- Advanced power management
- PC-based Configuration Utility
- 55-key alphanumeric or 35-key numeric keypad options
- Multiple Scan Engine Options

Benefits

- Comfortably scan bar code data with one hand over extended periods of use.
- Always have enough processing power to drive your most demanding, yet power-sensitive data capture applications.
- Increase speed, performance and value in your wireless data capture application with freely available, open source Linux®.
- Be assured of seamless, uninterrupted and secure real-time data communications.
- Easily navigate, setup and configure your application settings and features.
- Conserve battery power and ensure full-shift worker productivity without recharging or battery replacement.
- Quickly configure and replicate settings on multiple terminals from your PC. Keep your deployment schedule on track and on budget.
- Choose the intuitive keypad option that provides optimum operator efficiency.
- Available with 2D Imager, Lorax "Near/Far" laser, Standard laser, Long Range laser or Advanced Long Range laser.

General Specs

Dimensions (without handle)	225 mm L x 89 mm W x 57 mm D; 8.9" L x 3.5" W x 2.3" D
Dimensions (with handle)	225 mm L x 89 mm W x 208 mm D; 8.9" L x 3.5" W x 8.2" D
Weight	16 oz / 454 g (With handle: 25 oz. / 709 g)
Drop Specifications	5 ft. (1.5m) drop to concrete
Display	160 x 160 pixel Grayscale LCD with EL backlight
Battery	Lithium-Ion 2600 mAh, 19.2 watt hours
Keypad	55-key alphanumeric; Lockable 35-key numeric
Pistol Grip	Standard on the M7221 wireless terminal
Barcode Scanners (optional)	Lorax "Near/Far" Laser; Standard High-Speed Laser; Long Range Laser; Advanced Long Range Laser; 2-Dimensional Imager
Sound	Integrated system bell (beeper)

Performance Specs

CPU	Samsung® S3C2410 32-bit ARM9 @ 202 MHz with Advanced Microcontroller Bus Architecture (AMBA)
Operating System	AML Embedded Linux® OS; Linux® Kernel 2.6.16
Memory (RAM/ROM)	32 MB SDRAM @ 101MHz, 16 MB Non-volatile NOR Flash
Development Environment	AML M7220 SDK for Linux® supporting C & C++; GNU GCC 3.3.5 for ARM-Linux®; Fully Open Sourced Licensing
Data Communications	USB Type B (Slave); Serial RS-232 (max. rate 115200 baud); IrDA

Environmental Specs

Operating Temp	-10° to 50° C / 14° to 122° F
Storage Temp	-25° to 50° C / -13° to 122° F
Humidity	5% to 90% RH, non-condensing
Electrostatic Discharge (ESD)	15kVDC air; 4kVDC contact
Sealing	IP51 (dust, drip water proof)

M7221 Configuration



The M7221 features a forward-scanning, pistol grip handle.

Regulatory Specs

Certifications	FCC Part 15 Class A
Laser Safety	CDRH Class II, IEC Class 2



Software Specs

PC-based Configuration Utility	Quickly configure and replicate settings on multiple terminals from your PC
Terminal Emulation	VT100/102; VT220; TN5250; SSH
Web Browser	'Links2' graphical and text based web browser
Utilities	Calculator; Bar Code Data Viewer; Linux Console; Camera Utility (if equipped w/ optional 2D Imager)
Servers	TELNET; FTP; SSH/SFTP; HTTP
Diagnostic Tools	Printer Test; Network Status Application; System Resource Usage; Network Ping Utility

Wireless Communications Specs

Radio	IEEE 802.11b/g
Frequency	North America: 2.412 – 2.462 GHz; Japan TELEC: 2.412 – 2.484 802.11b; Japan TELEC: 2.412 – 2.472 802.11g; Europe ETSI: 2.412 – 2.472; Spain: 2.457 – 2.462
Transmit Power	802.11b: 17 dBm (40 mW); 802.11b/g: 14 dBm (32 mW)
Receive Sensitivity	54/48 Mbps: -65 dBm / -66 dBm; 24/36 Mbps: -70 dBm / -74 dBm; 12/18 Mbps: -77 dBm / -79 dBm; 11 Mbps: -80 dBm (802.11b); 6/9 Mbps: -81 dBm / -82 dBm
Modulation	48/54 Mbps (QAM-64); 24/36 Mbps (QAM-16); 12/18 Mbps (QPSK); 6/9 Mbps (BPSK)
Security	None; 64 (40)-bit WEP; 128 (104)-bit WEP; WPA/WPA2 Personal (PSK); WPA/WPA2 Enterprise (EAP 802.1x Supplicants)
Antenna	Internal Diversity

Peripherals & Accessories (optional)

Cradles	Single slot communication & charging cradle; Four slot terminal charger; Four slot battery charger
Vehicle	Vehicle mount terminal charger; Vehicle mount cradle (non-charging)
Holster	Two styles of functional holsters w/ adjustable belts

Maintenance & Support

Standard Warranty	One year standard warranty agreement
Optional	Extended Warranty Plus (3 years); Extended Warranty (3 years); CARE Plan Extended Warranty (3 years)

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Discontinued product sourcing

- They don't make it anymore? Our inventory also includes manufacturer close-outs and discontinued equipment to support our clients legacy infrastructure.

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- That old equipment laying around your facility may still have some value. Legacy routinely purchases equipment from our clients around the globe.
 - Data destruction
 - Hardware disposal
 - Auditing services

Dedicated client account team

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Equipment rental services

- Sometimes renting is a better solution, Legacy's huge rental inventory provides the equipment you need for temporary needs and projects.



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