

M7170

Vehicle Mount Terminal



Rugged Wireless Performance

The AML M7170 Vehicle Mount Terminal supports real-time data collection applications in the factory, on the loading dock, and in the warehouse yard. The M7170 mounts directly to industrial vehicles such as forklift trucks and enables real-time data transfer between mobile operators and back-end host applications. Built to last with heavy-duty steel construction and an IP54 environmental rating, the M7170 is ideally suited for real-time receiving, put-away, picking and shipping applications in rugged industrial environments.

Applications

Inventory
Shipping/Receiving

Factory Floor
Management

Stock Control
Asset Tracking



Features

Industrial vehicle mount terminal for wireless data collection applications

Heavy-duty steel construction

IP54 environmental rating

Integrated IEEE 802.11b radio

Internal DC power converter

WEP and WPA/WPA2 security

Mounting bracket and hardware

¼ VGA, backlit LCD

77-key QWERTY keypad

StrongARM® and embedded Linux®

Built-in clients

AML M7100 wireless family compatibility

RS-232 serial port

Benefits

Economical solution for real-time vehicle mount applications in the factory or in the warehouse

Holds up in rugged industrial environments

Protects against windblown dust and rain

Industry standard radio technology for real-time, high rate data transfer

Accommodates 9 – 54 VDC. No external power converter required

High-level security protection with support for WEP and WPA/WPA2

Securely mounts the M7170 VMT to industrial vehicles or other fixed mount locations

Easy to read, even in dimly lit warehouse environments

Supports data entry across a wide range of data collection applications

Powerful, fast and reliable performance

Comes pre-loaded with VT100/220 TE clients, TELNET Client, FTP server, and an HTTP server

Rapidly integrates into applications where AML M71V2 and M7140 terminals are deployed

Interface for optional barcode scanner

Physical Specs

Dimensions	381 mm L x 280 mm W x 108 mm D; 15" L x 11" W x 4.25" D
Weight	11.3 lbs / 5.15 kg
Display	¼ VGA, monochrome, backlit LCD (103 x 179 mm / 4 x 3" viewing area)
Keypad	77-key elastomeric, alphanumeric QWERTY layout; 12-key numeric keypad; 12 Function keys; 4 cursor control keys
Power Supply	Input power required; 9 – 54 VDC / 2 Amps maximum draw from vehicle
Audio	Internal, programmable speaker
Housing	Powder-coated, steel enclosure
Mounting	Includes mounting bracket and hardware
I/O Ports	1 RS-232 (DB-9 connection); 1 USB (slave only)

Performance Specs

CPU	Intel StrongARM® SA1110 @ 133 MHz
Operating System	Open source, embedded Linux®
Memory	32MB DRAM, 16MB Flash ROM

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
Sealing	IP54 standards for protection against wind blown dust and water

Regulatory Specs

Certifications	FCC Part 15, CE
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Software Specs

Application Development	Application development using the GNU C Compiler
Terminal Emulation	VT100/VT220/TN5250 Standard; Optional 3270 or 5250 for applications requiring screen shaping and/or keyboard mapping
Built-In Software Functions	TELNET Client; FTP Server; HTTP Server; Web Browser

Wireless Communications WLAN

Radio	IEEE 802.11b
Frequency	2.4 GHz
Output Power	16 dBm Max (20 dBm optional)
Encryption	None, 40 Bit, 128 Bit (WEP)
Antenna	Internal (WLAN)

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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