

M7170

Vehicle Mount Terminal



Physical

Dimensions: 15.0 x 11.0 x 4.25" / 381 x 280 x 108 mm

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

Housing: Powder-coated, steel enclosure

Mounting: Includes mounting bracket and hardware

Power Requirements

Input power required

9 – 54 VDC / 2 Amps maximum draw from vehicle

Environmental

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

Sealing: Meets IP54 (windblown dust and rain)

Warranty

Includes one (1) year standard warranty agreement

Optional: Extended Warranty (3 years), Extended Warranty Plus (3 years), or CARE Plan Extended Warranty (3 years)

System

CPU: Intel StrongARM® SA1110 @ 133 MHz

Operating: Open source, embedded Linux®

Memory: 32MB DRAM, 16MB Flash ROM

Communications Ports: 1 RS-232 (DB-9 connection), 1 USB (slave only)

Sound: Internal, programmable speaker

Wireless Data Communications

WLAN: IEEE 802.11b

Data Rate: 11,5.5, 2 or 1 MBPS, auto-select

Frequency: 2.4 Ghz

Output Power: 16dBm Max (20dBm optional)

Encryption: None, 40 Bit, 128 Bit (WEP)

Antenna: Internal (WLAN)

Software Tools

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

Regulatory

EMI: FCC Part 15, CE

Optional Accessories:

PSC PowerScan laser scanners

Holster for optional PowerScan scanner

Take-up reel for PowerScan scanner

Cable, RS-232, DB-9F, POT, Coil, 8' Black

Heater for cold storage applications

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.

Flexible Application Development

The M7170 Vehicle Mount Terminal integrates easily and quickly into a wide range of computing environments. Each M7170 Vehicle Mount Terminal ships pre-loaded with VT100/VT220 terminal emulation, a native TN5250 client, FTP server, HTTP server, TELNET client, Web Browser, WEP and WPA/WPA2 advanced encryption and authentication capabilities (EAP-PEAP, EAP-TLS, EAP-TTLS, and PSK-TKIP). Options are also available for 3270 and 5250 applications requiring screen shaping and/or keyboard mapping. And as a member of the AML M7100 family of wireless terminals, the M7170 VMT rapidly integrates into wireless data collection applications where AML M7100 handheld terminals and AML M7140 programmable stationary terminals are deployed.



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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 M7100 and M7140 terminals are deployed

Interface for optional bar code scanner