

# 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

**Development:** AML CommandLink™ Application Design Suite, and C++

**Terminal Emulation:** VT100/220; Optional 3270 or 5250

**Built-in Software Functions:** TELNET Client, FTP Server, HTTP Server

### 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

### 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 ships pre-loaded with VT100/220 terminal emulation, a TELNET client, FTP server, and an HTTP server. Optional software tools provide support for Windows® ODBC and OLE DB data sources, C++ development under Linux®, or 3270 and 5250 terminal emulation. 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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2190 Regal Parkway  
Euless, Tx 76040

[www.amltd.com](http://www.amltd.com)

1-800-648-4452

[email:sales@amltd.com](mailto:sales@amltd.com)

### 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

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

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