

MT7570

Vehicle Mount Terminal



with optional external keyboard

Robust Mobile Performance

The AML MT7570 vehicle mount terminal combines a rugged IP65 sealed metal construction with robust mobile computing capabilities to provide years of reliable service in harsh industrial environments. The MT7570 mounts easily to industrial vehicles such as forklift trucks and delivers the tools necessary to keep information flowing in real-time receiving, put-away, picking and shipping applications.

Engineered for computing flexibility, the AML MT7570 vehicle mount terminal is available with either open-source embedded Linux® or Windows® XP Embedded. Both operating systems include terminal emulation clients (VT100/220, TN5250, TN3270), web browser(s), Microsoft® Windows Terminal Services (RDP), and VoIP (Skype®) client at no additional cost – maximizing the value of your investment.

With integrated 802.11b/g radio technology and the latest wireless security protocols, the AML MT7570 integrates seamlessly and securely into existing wireless networks. Audio, full USB, and RS232 serial connections, as well as optional Bluetooth® WPAN communications, provide flexible connectivity with peripheral devices. The 12.1 inch color touch screen display, with 160° viewing angle, is easy to read even in dimly lit warehouse environments. An optional internal UPS battery ensures stable service in case of power failure up to 30 minutes.

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Physical

Dimensions: 15.625" L x 12.75" W x 2.63" D / 44 cm L x 40 cm W x 6.55 cm D (with mounting arm)

Weight: 14.3 lbs/6.45kg (with mounting arm)

Display: Industrial 12.1 inch SVGA 800 x 600, 18-bit Color – Liquid Crystal Display. Super hi-bright, 160 degree viewing angle, backlight, and antiglare

Touch Screen: 12.1 inch resistive touch panel overlay
Keypad: Virtual on-screen keypad; Optional USB full QWERTY compact keyboard with integrated touchpad and IP54 spill and dust resistant key field

Power Supply: Internal isolated power supply with power cable for vehicle attachment. Accepts 12 to 36VDC input or 36 to 75VDC input, depending on configuration

Internal UPS Battery: Optional 12.6V Lithium-Polymer battery ensures stable service in case of power failure for up to 30 minutes

Interface Ports: Two full USB 2.0 high-speed ports (1 x USB 2.0 with optional Bluetooth® module); RS-232C serial port with 5V Pin 9.

Audio Ports: Amplified headphone jack; non-amplified line-out jack; line input; microphone jack; two internal amplified speakers

Housing: Heavy-duty, steel enclosure

Mounting: Includes mounting hardware

Environmental

Operating Temperature: -4° to 122° F / -20° to 50° C

Storage Temperature: -22° to 140° F / -30° to 60° C

Humidity: 5% to 95% RH non-condensing

Sealing: Meets IP65 standards for protection against dust and water sprayed from any direction

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: AMD Geode GX533 @ 400 MHz

Architecture: 32-bit x 86

Memory (RAM/ROM): Linux® version: 128 MB SDRAM/ 512MB Internal Flash; Windows® XP: 384 MB SDRAM/ 1 GB Internal Flash.

Operating System: AML Debian/GNU 4.0 Platform Linux® Kernel 2.6.18 or Windows® XP Embedded

Wireless Data Communications

WLAN: IEEE 802.11b/g

Frequency: 2.4 GHz

Output Power: 15 dBm (±3 dB) @ 54 Mbps;

19 dBm (±3 dB) @ 11 Mbps

Data Rate: 802.11b: 11, 5.5, 2, 1 Mbps; 802.11g: 54, 48, 36, 24, 18, 12, 9, 6 Mbps (auto-fallback)

Security: None; 64/128 Bit WEP; WPA/WPA2 Personal (PSK); WPA/WPA2 Enterprise (EAP); 802.1x supplicants

Antenna: Internal

WPAN (optional): Bluetooth® v1.2 and v1.1 compliant

Range: Up to 160 feet (50 meters)

Data Rate: Up to 2.1 Mbps

Standard Software Applications

Client Software: Linux® version: VT100, VT220, TN5250, TN3270, Web Browser, Windows® Terminal Services (RDP), and Virtual Network Computing (VNC).

Windows® XP version: VT100, VT220, TN5250, TN3270 Internet Explorer® Web Browser, and Windows® Terminal Services (RDP).

Utilities: Calculator, text editor, virtual keyboard

VoIP: Skype® client

Optional Accessories:

Keyboard Kit: USB keyboard with shelf

Regulatory

EMI: FCC Part 15, IEC Class A



Features

Microsoft® Windows XPe or Linux® operating system

Rugged, heavy-duty metal enclosure

Bright SVGA Color 12.1" TFT touch screen display

Integrated 802.11b/g WLAN radio with internal antenna

Internal DC power converter

Built-in clients and VoIP client – at no additional charge

WEP, WPA/WPA2 and 802.11x security

Audio, full USB and RS232 serial connections (Optional: Bluetooth® WPAN)

Mounting hardware included

Benefits

Computing flexibility – choose the operating system that best meets your business and IT needs.

IP65 sealed construction withstands harsh mobile environments. Total protection from dust and water sprayed from any direction.

Easy to read in outdoor and indoor operations. Backlit with high visibility 160° viewing angle.

Industry standard radio technology for easy connectivity to existing wireless LANs.

Accommodates 12 to 36VDC or 36 to 75VDC (depending on configuration).

Ships standard with terminal emulators, modern service protocols, web browser(s), utilities and VoIP (Skype®) client – maximizing the value of your investment.

The latest in wireless security protocols ensure protection of sensitive data.

Supports flexible connectivity with peripheral devices.

Ships complete with all the hardware necessary to securely mount the MT7570 to industrial vehicles.

Specifications are subject to change without notice.

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