

MT7570

Vehicle Mount Terminal



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.

Applications

Inventory
Shipping/Receiving

Factory Floor
Management

Stock Control
Asset Tracking



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.

Physical Specs

Dimensions	44 cm L x 40 cm W x 6.5 cm D; 15.625" L x 12.75" W x 2.63" D (w/ mounting arm)
Weight	14.3 lbs / 6.45 kg (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, & antiglare
Touch Screen	12.1 inch resistive touch panel overlay
Keypad	Virtual on-screen keypad; Optional USB full QWERTY compact keyboard w/ integrated touchpad and IP54 spill and dust resistant key field
Power Supply	Internal isolated power supply w/ 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
I/O Ports	Two full USB 2.0 high-speed ports (1 x USB 2.0 w/ optional Bluetooth® module); RS-232C serial port with 5V Pin 9
Audio	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

Performance Specs

CPU	AMD Geode GX533 @ 400 MHz
Operating System	AML Debian/GNU 4.0 Platform Linux® Kernel 2.6.18; Windows® XP Embedded
Architecture	32-bit x 86
Memory (RAM/ROM)	Linux® version: 128 MB SDRAM/512MB Internal Flash; Windows® XPe: 384 MB SDRAM/1 GB Internal Flash

Environmental Specs

Operating Temp	-20° to 50° C / -4° to 122° F
Storage Temp	-30° to 60° C / -22° to 140° F
Humidity	5% to 95% RH, non-condensing
Sealing	IP65 standards for protection against dust and water sprayed from any direction

Regulatory Specs

Certifications	FCC Part 15, IEC Class A
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Software Specs

Client Software	Linux® version: VT100, VT220, TN5250, TN3270, Web Browser, Windows® Terminal Services (RDP), and Virtual Network Computing (VNC); Windows® XPe version: VT100, VT220, TN5250, TN3270, Internet Explorer® Web Browser, and Windows® Terminal Services (RDP)
Utilities	Calculator, text editor, virtual keyboard
VoIP	Skype® client

Wireless Communications WLAN

Radio	IEEE 802.11b/g
Frequency	2.4 GHz
Output Power	15 dBm (±3 dB) @ 54 Mbps; 19 dBm (±3 dB) @ 11 Mbps
Security	None; 64/128 Bit WEP; WPA/WPA2 Personal (PSK); WPA/WPA2 Enterprise (EAP); 802.1x supplicants
Antenna	Internal

Wireless Communications WPAN (optional)

Radio	Bluetooth® v1.2 and v1.1 compliant
Range	Up to 160 feet (50 meters)
Data Rate	Up to 2.1 Mbps

Accessories (optional)

Keyboard Kit	USB keyboard with shelf
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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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