

# M7140



## Stationary Data Collection Terminal

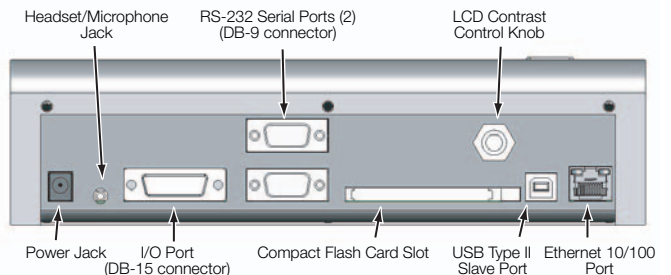
### Rich with Features & Flexibility Enhancements

The AML M7140 is a programmable stationary terminal for fixed station, wired, or wireless industrial data collection applications. Engineered for price performance, yet offering powerful features and extensive flexibility enhancements, the M7140 is an ideal solution for work-in-process tracking, shop floor control, and factory automation in manufacturing, distribution and warehousing.



The M7140 Stationary terminal is built tough to withstand shop floor conditions and sports a rugged powder-coated steel enclosure, 77-key elastomeric keypad, a ¼ VGA backlit LCD display, and an internal speaker. 32MB DRAM memory, 16MB Flash ROM, and compact Flash storage up to 512MB provide adequate storage for all your program and data file storage.

**Extensive I/O interfaces include two RS-232 ports for barcode scanners or other serial devices, three optically isolated inputs, and three relay contact outputs for integration with PLCs, conveyors, scales, and alarm devices.**



### Features

Programmable stationary terminal

Extensive I/O interfaces

WEP & WPA/WPA2 security

Compact Flash Card Slot

10 BaseT Ethernet connectivity

Intel StrongARM® Processor

32MB DRAM, 16MB Flash ROM  
Compact Flash Storage up to 512MB

77-key elastomeric keypad

Powder coated, steel enclosure

### Benefits

Provides performance flexibility across a broad range of fixed station, wired, or wireless industrial data collection applications

Supports connectivity to a wide array of data input devices, as well as relay contact outputs

High-level security protection

Accommodates user supplied WiFi radio card for wireless LAN connectivity

Network connectivity

Rapid, dependable processing power

Ample program & data file storage

Promotes flexible data entry for increased productivity

Holds up in industrial environments

## Physical Specs

Dimensions	243 mm L x 232 mm W x 63 mm D; 9.53" L x 9.125" W x 2.5" D
Weight	3.9 lbs / 1.81 kg
Display	¼ VGA, monochrome, backlit EL LCD (103 x 79 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
Audio	Internal programmable speaker; External headphone/microphone jack

## Performance Specs

CPU	Intel StrongARM® SA1110 @ 133 MHz
Operating System	Open source, embedded Linux®
Memory	32MB DRAM; 16MB Flash ROM; Compact Flash storage up to 512MB
Communications	Two RS-232 ports; Three optically isolated inputs; Three relay contact outputs (Form C)
Connectivity	10 BaseT ethernet; Compact Flash card slot for WiFi radio card

## 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

## Regulatory Specs

Certifications	FCC Part 15; IEC Class A
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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)

## 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

## Wireless Communications

Radio	IEEE 802.11b Standard
Frequency	2.4 GHz
Output Power	17dBm (40 mW)
Security	Support for WEP & WPA/WPA2 encryption & authentication (EAP-PEAP, EAP-TLS, EAP-TTLS, & PSK-TKIP)
Antenna	Internal Diversity

## Accessories (optional)

Radio Card	11 Mbps Wireless
Attachments (Factory Installed)	Magnetic stripe reader Slot reader
Wall Mount Bracket	16 gauge, powder-coated steel, angle mount



M7140 with Factory Installed MSR/Slot Reader



M7140 Angled Wall Mount Bracket

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AML Corporate Headquarters  
2190 Regal Parkway  
Eules, Texas 76040

Sales & Customer Service  
Tel: 800-648-4452  
Fax: 817-685-6232  
Email: sales@amltld.com

Local: 817-571-9015  
Fax: 817-571-6176  
Visit us online at: www.amltld.com

Technical Support  
Tel: 877-842-3990  
Fax: 817-685-6232  
Email: support@amltld.com



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