

M7140



Stationary Terminal for Industrial Data Collection Applications

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.

Extensive Connectivity & I/O Interfaces

The M7140 Stationary Terminal is extremely flexible and offers a broad range of connectivity and I/O interfaces to support most data collection requirements. Each M7140 ships standard with a powerful Intel StrongARM® processor, Compact Flash Card Slot, and 10 BaseT Ethernet connectivity. Extensive I/O interfaces include two RS-232 ports for bar code scanners or other serial devices, three optically isolated inputs, and three relay contact outputs for integration with PLCs, conveyors, scales, and alarm devices.

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 32MB provide adequate storage for all your program and data file storage.

Flexible Application Development

As a member of the AML M7000 Series of data collection terminals, the M7140 Stationary Terminal integrates into a wide range of computing environments to help reduce the time and costs associated with shop floor application development. The M7140 incorporates an open source, embedded Linux® architecture and comes 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, or C++ development under Linux®.



Model 7140

Stationary Data Collection Terminal

AML is a leading developer & manufacturer of reliable, high-performance bar code and data collection products. Since 1983, AML and its partners have helped thousands of companies worldwide to increase business efficiency and productivity – in manufacturing, warehousing, retail, health care, finance, government, and education. AML products are made in the United States and backed with lifetime, toll-free technical support.

Features	Benefits
Programmable stationary terminal for fixed station, wired, or wireless industrial data collection applications	Provides performance flexibility across a broad range of shop floor data collection applications
Extensive I/O interface capabilities	Supports connectivity to a wide array of data input devices, as well as relay contact outputs
Compact Flash Card Slot	Accommodates WiFi radio card for wireless LAN connectivity
10 BaseT Ethernet connectivity	Network connectivity
Intel StrongARM® Processor	Rapid, dependable processing power
32MB DRAM, 16MB Flash ROM Compact Flash Storage up to 32MB	Ample program & data file storage
77-Key elastomeric keypad	Promotes flexible data entry for increased productivity
Powder coated, steel enclosure	Holds up in industrial environments
Supports AML's Windows® compatible CommandLink™ Application Development Suite	Reduces the time and costs associated with application development for Windows® environments

M7140

Stationary Terminal for Industrial Data Collection Applications

Physical Characteristics

Dimensions:	Overall: 9.53" length x 9.125" width x 2.5" depth 243 mm. length x 232 mm. width x 63 mm. depth
Weight:	3.9 lbs. 1.81 kg.
Display:	¼ VGA, monochrome, LED backlit, LCD (103 mm x 79 mm viewing area)
Operating Temperature:	14° to 122°F/-20° to 50°C
Storage Temperature:	-13° to 122°F/-25° to 50°C
Humidity:	5% to 90% RH non-condensing
Keypad:	77-key elastomeric, alphanumeric QWERTY layout, 12-key numeric keypad, 12 function keys, 4 cursor control keys
Sound:	Internal, programmable speaker External headphone/microphone jack
Housing:	Powder-coated, steel enclosure

Performance Characteristics

ARM® and StrongARM® are trademarks of ARM, Ltd.

CPU:	Intel StrongARM® SA1110 @ 133MHz
Operating Platform:	Open source, embedded Linux®
Memory:	32 MB DRAM, 16 MB Flash ROM, Compact Flash storage up to 32 MB
I/O Ports:	Two (2) RS-232 ports Three (3) optically isolated inputs Three (3) relay contact outputs (Form C)
Connectivity:	10 BaseT ethernet Compact Flash Card Slot for WiFi radio card

Software Tools:

Windows® Environment:	Supported by AML's CommandLink™ Application Development Suite
Terminal Emulation:	VT100/VT220 standard
Compilers:	C++ and Basic

Optional Accessories:

Radio Card - 11 Mbps Wireless
CommandLink™ Application Development Suite

Regulatory:

EMI:	FCC Part 15, IEC Class A
------	--------------------------

Specifications and information are subject to change without notice. All trademarks are the property of their respective owners.

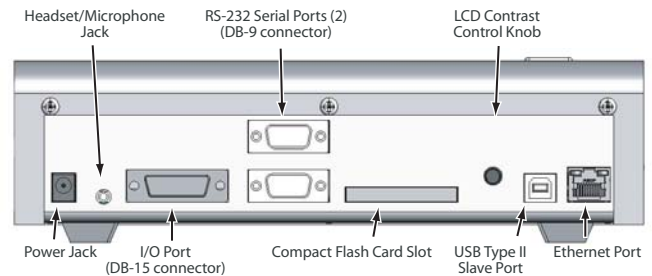
Options

Extended Warranty coverage (3 years)
Extended Warranty Plus coverage (3 years)
CARE Plan Extended Warranty coverage (3 years)

Maintenance & Support

A one (1) year warranty agreement is included with the purchase of the M7140.

M7140 offers a wide range of input/output connections



American Microsystems, Ltd.

Innovation | Performance | Service | Commitment

2190 Regal Parkway
Euless, Tx 76040

www.amltd.com
1-800-648-4452



AML/M7140

MADE IN THE U.S.A.

© 2004 American Microsystems, Ltd.