M5500 Series

Portable Data Terminals

AML
American Microsystems, Ltd.

High Performance

The M5500 Series of Portable Data Terminals deliver high performance across a wide range of portable data collection applications including inventory control, asset tracking, shipping & receiving, and point-of-sale. Designed to provide superior performance at a price that fits your budget, the M5500 Series is the best value for virtually any portable data collection application - even in the most demanding work environments.

Each M5500 Series Portable Data Terminal is rugged, lightweight, and durable. The ergonomic design of the M5500 Series enables one-handed scanning for optimal operator comfort and maximum productivity. The M5500 Series is available in a number of configurations to help you match desired features to your specific application requirements. The M5500LAS features an integrated laser scanner for scan-intensive applications up to 22 inches away. The M5510CCD incorporates a long range CCD scanner that can reliably scan UPC bar codes up to 10 inches away. Also available is the M5520LAS with a long range integrated laser scanner, offering a working range out to 20 feet (6.1 meters) for 100 mil. reflective symbols.

Each M5500 Series Portable Data Terminal functions as either a portable terminal or as an in-line keyboard wedge (non-portable), providing you with dual functionality. Add our two-year warranty and the Windows compatible M5000 program generator, and the M5500 Series is the smart choice for bar code data collection.

Portable Mode

In the portable mode, the M5500 Series PDT operates on three AA alkaline batteries and stores bar code or keyed data in its 256K memory (expandable to 1.25 MB). It is equipped with a 4-line by 20-character LCD display that offers high contrast and wide viewing angles. You can easily review and edit data stored in the unit. Collected data can be uploaded to a PC via the RS-232 serial interface or to a remote PC via a Hayes compatible modem. Data can also be uploaded through the keyboard interface using the optional M5100 keyboard wedge adapter.

Non-portable Mode

In the non-portable mode, the M5500 Series PDT operates as an in-line keyboard wedge (M5100 keyboard wedge adapter required) or serial reader. In this mode, data is not stored in the reader but is immediately transmitted as keyboard data to the host computer while the keyboard remains fully functional.

Easy to Upload

Upload data from the M5500 Series PDT directly into word processors, text editors, point-of-sale programs, inventory programs and other applications, or as an ASCII file.

Easy to Program – Includes M5000 Program Generator

Unlike some other portable data terminals, each M5500 Series PDT comes complete with everything you need to create programs quickly and efficiently "out of the box", without the added expense of program generator software. The M5500 Series comes complete with six data collection programs that are preprogrammed and designed for your everyday use. The M5500 Series PDT also includes the Windows compatible M5000 Programmer, an integrated programming environment that enables you to generate custom programs. The M5000 Programmer provides a variety of functions from setting up your M5500 Series system parameters, to creating lookup and data files as well as communication functions for sending and receiving M5500 Series PDT files to and from the PC.

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.

Model 5500 Series

Portable Data Terminal

Product configurations

M5500LAS-AM5005	M5500 with AML Integrated Laser Scanner
M5510CCD-AM5065	M5500 with AML Integrated CCD Scanner
M5520LAS-AM5205	M5500 with AML Integrated Long Range Laser Scanner

- **Rugged, lightweight, ergonomic design**
- **4-line by 20-character LCD display**
- **Six pre-installed data collection programs**
- **Windows compatible M5000 program generator**
- **Low power design – extended battery life**
- **256K RAM Memory – expandable to 1.25 MB**
- **Operates via 3 AA alkaline batteries**
- **Backup lithium battery**
- **Two-year warranty**

M5500 Series

Portable Data Terminals

Specifications	
Bar Code Reader:	Integrated Laser, Long Range Laser, or CCD scanner module
Keypad:	39-key rubberized keypad
Memory:	2MB Flash program memory, 256K standard. Expandable to 1.25MB RAM with optional expansion memory module (sold separately)
Special Keys:	The M5500 can generate the following special keys: Function, Alt, Shift, Home, End, PgUp, PgDn, Ins, Del, Arrow keys, Backspace, Enter, Tab, Esc.
Bar Codes:	The M5500 automatically recognizes and reads the following bar code types: Code 39, Extended Code 39 (full ASCII), Interleaved 2 of 5, UPC-A, UPC-E, EAN-8, EAN-13, UPC & EAN supplements, Code 128, Code 93, Code 11, Codabar, MSI/Plessey, Bookland EAN
Serial Interface:	Baud rates: 300-57.6K, Data bits: 7 or 8, Stop bits: 1 or 2, Parity: None, odd, even, Intercharacter delay: 0-99 msecs.
Protocols:	RS-232: XON/XOFF, XModem, ASCII, AT modem (AT command set) Keyboard Wedge: IBM AT or PS/2
Software:	Six pre-programmed data collection programs Windows compatible M5000 Programmer software includes; programming, portable set-up, look-up file editor, data file editor, librarian, communications, upgrade flash and monitor
Power:	Operating: 3 AA alkaline batteries, Backup: lithium battery
Physical:	Length: 9 3/8", Width: 3" (handgrip)/ 4 3/8" (maximum), Depth: 1" (handgrip)/ 1 7/8" (maximum), Weight: 15.6 oz. (with batteries)
Environment:	Operating Temperature: 0° C to +50° C Storage Temperature: -20° C to +70° C Relative Humidity: 5% to 95% non-condensing Drop: 3 feet onto concrete surface

Integrated Laser Module	
Light Source:	630-680 nm laser diode
Laser Output Power:	1.0 mW maximum
Scan Rate:	35 + 5 scans per second
Laser Class:	CDRH Class II

Integrated CCD Module	
Optics:	645 nm visible LED Bright and sharp scanning line
Scan Rate:	36 scans per second
Depth of Field:	0 to 49.2 cm/19.4 inches (bar code dependent)

Integrated Long Rang Laser Module	
Optics:	650 nm visible laser diode
Scan Rate:	35 (+/- 5) scans per second (bi-directional)
Working Range:	up to 20 . (6.1 m)

Optional Accessories

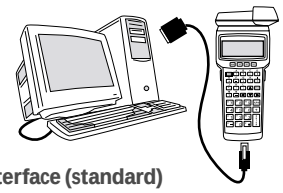
M5100 Keyboard Cable
1MB Memory Module
Holster & Belt
Additional 3-year extended support agreement

Maintenance & Support

A two (2) year warranty agreement is included with the purchase of M5500 Series portable data terminals. This standard warranty agreement includes toll-free technical support during normal business hours:

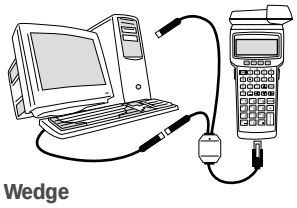
(Monday-Friday, 8:30 a.m. to 5:30 p.m. C.S.T.)

The M5500 Series allows various interface options for automatic bar code data collection applications



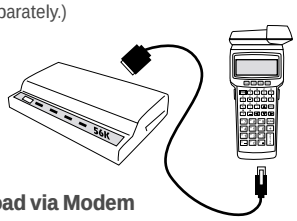
PC RS-232 Interface (standard)

As a serial interface, the M5500 Series PDT connects directly to your PC. Set the serial port parameters to match the host and you are ready to begin. The data is sent as if typed from the PC's keyboard. No additional software changes are required.



PC Keyboard Wedge

As a keyboard wedge interface, the M5500 Series PDT connects between the keyboard and the personal computer with a "Y" cable adapter. Data is sent to the computer as if typed from the keyboard. The keyboard remains fully functional. (Requires M5100 wedge adapter, sold separately.)



Remote Upload via Modem

The M5500 Series PDT can be connected to a Hayes compatible modem through the RS-232 serial port. Collected data can then be uploaded to a host computer over standard telephone lines. The M5500 Series supports XModem protocol (Modem cable required.)

CE

CAUTION
LASER LIGHT - DO NOT STARE INTO BEAM
630 - 680nm LASER
1.0 MILLIWATT MAXIMUM OUTPUT
CLASS II LASER PRODUCT

American Microsystems, Ltd.
Innovation | Performance | Service | Commitment
2190 Regal Parkway
Euless, Tx 76040
www.amltd.com
1-800-648-4452
email: sales@amltd.com

AML Business Partner

AML/5500S

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