Data collection has been made even easier now with our new M5500 Portable Data Terminal (PDT). The M5500 PDT consists of an American Microsystems M5000 Portable Data Terminal integrated with our new M5005 Integrated Laser Scanner. The two systems combine to form a powerful yet easy to use data collection system.

The M5500 PDT provides all the features of the M5000 PDT along with the convenience of one-handed, portable scanning combined with the speed and accuracy of laser input. The M5500 PDT can be easily adapted for right- or left-hand use. The unit has two triggers that allow you to scan bar code data with your right or left hand. It can be positioned in your hand so that you can manually enter data and/or scan bar code labels as desired.

Laser scanning provides enhanced productivity for applications requiring rapid and accurate data collection. High scan rates permit multiple scan attempts within a short time on sub-quality bar codes, soft or irregular surfaces, and thick or color laminates.

Portable Mode – In the portable mode, the Model 5500 PDT operates on 3 AA alkaline batteries and stores bar code or keyed data into its 256K (expandable to 1.25 MB) memory. It is equipped with a 4-line by 20 character LCD display that offers high contrast and wide viewing angles. The display prompts you for data entry and alerts you when you have made a mistake. You can review and edit the data stored in the unit. The collected data can be uploaded to a host computer with any of the following interfaces:

- RS-232 serial interface
- Keyboard wedge interface for IBM AT or PS/2 (requires adapter)
- Modem (AT command set)

Non-Portable Mode - In the non-portable mode, the Model 5500 PDT operates as an on-line keyboard wedge (M5100 keyboard wedge required) or serial reader. In this mode, data is not stored in the reader but immediately transmitted as keyboard data to the host computer. You can easily switch the Model 5500 PDT between portable and non-portable modes.

Features of the M5500 PDT:
- Integrated laser scanner enables one-handed portable scanning
- Laser bar code scanning provides extremely high first-read rates
- Easily adapts to right- or left-hand scanning
- 32 Bit high-performance microprocessor
- 2Mbit FLASH program memory
- 256K RAM standard. Memory expandable to 1.28 MB
- 4-line by 20-character LCD display
- Rugged, lightweight, ergonomic design
- Easily upgradable Flash memory via the Internet
- Low power design – extended battery life
- Easy-to-use Windows compatible programming software

Other Features Include:
- Supports multiple program files
- Supports look-up files and tables
- Includes a built-in calculator
- Supports full screen editing
- Supports record insertion and deletion
- Includes built-in inventory programs
Easy to Upload - Upload data from the Model 5500 PDT directly into word processors, text editors, point-of-sale programs, inventory programs, and other application programs, or as an ASCII file.

Easy to Program - Included with the Model 5500 PDT is a communications program that makes uploading data from the RS-232 serial port quick and easy. The Model 5500 PDT also comes with an easy to use Windows compatible program generator. The Model 5500 PDT programming software allows you to generate custom programs or use our program templates to configure a program to your specific needs.

The Model 5500 PDT offers Right- or Left-Hand Scanning in 3 Simple Steps

STEP 1
First, remove the two Phillips-head screws that hold the laser scanner in place. Separate the laser scanner from the base assembly by lifting straight up.

STEP 2
Rotate the M5005 laser scanner 180 degrees so it is facing the desired direction.

STEP 3
Attach the M5005 laser scanner back onto the base assembly and secure it in place with the two Phillips-head screws.

With various interface options data collection has never been easier

PC Keyboard Wedge
As a keyboard wedge interface, the Model 5500 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)

PC RS-232 Interface
As a serial interface, the Model 5500 PDT connects directly to your PC. Set the readers serial port parameters to match the host and you’re ready to begin. The data is sent as if typed from the PC’s keyboard. No software changes are required.

Remote Upload via Modem
The Model 5500 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 from the Model 5500 PDT. The Model 5500 PDT supports XMODEM protocol (Modem Cable Required)

Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bar Code Reader</td>
<td>Integrated Laser Scanner</td>
</tr>
<tr>
<td>Keyboard</td>
<td>39 key rubberized keypad</td>
</tr>
<tr>
<td>Memory</td>
<td>2MBit Flash program memory, 256K RAM standard - Expandable to 1.25MB RAM with optional expansion memory module (expansion memory sold separately – contact your sales representative for details)</td>
</tr>
<tr>
<td>Special Keys</td>
<td>The M5500 can generate the following special keys: Function, Alt, Shift, Home, End, PgUp, PgDn, Ins, Del, Arrow keys, Backspace, Enter, Tab, Esc</td>
</tr>
<tr>
<td>Serial Interface</td>
<td>Baud Rates: 300 – 57,600, Data Bits: 7 or 8, Stop Bits: 1 or 2, Parity: None, odd, even, Intercharacter Delay: 0-99msec</td>
</tr>
<tr>
<td>Protocols</td>
<td>RS-232: XON/XOFF, XModem, ASCII, AT modem (AT command set) Keyboard Wedge: IBM AT or PS/2</td>
</tr>
<tr>
<td>Power</td>
<td>Operating: 3 AA alkaline batteries Backup: 3V Lithium battery</td>
</tr>
<tr>
<td>Physical</td>
<td>Length: 9 3/8&quot; Width: 3.0&quot; (handgrip) / 4 3/8&quot; (maximum) Depth: 1 ¼&quot; (handgrip) / 1 7/8&quot; (maximum)</td>
</tr>
<tr>
<td>Environmental</td>
<td>Operating Temperature: 0°C to +50°C, Storage Temperature: -20°C to +70°C, Relative Humidity: 5% to 95% non-condensing Drop: 3 feet to concrete</td>
</tr>
<tr>
<td>Warranty</td>
<td>Two year, 30 Day Money-Back Guarantee</td>
</tr>
</tbody>
</table>

M5005 Laser Module

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Source</td>
<td>630-680 nm laser diode</td>
</tr>
<tr>
<td>Laser Output Power</td>
<td>1.0 mW maximum</td>
</tr>
<tr>
<td>Scan Rate</td>
<td>35 + 5 scans per second</td>
</tr>
<tr>
<td>Laser Class</td>
<td>CDRH Class II</td>
</tr>
</tbody>
</table>

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