

## AML M5900 Portable Data Terminal



### Mechanical

**Dimensions:** 8.875 x 3.5 x 2.25"

**Weight:** 16 oz

**Drop Specification:** 4 ft. drop to concrete

**Display:** Graphical 160 x 160 backlit EL LCD;  
20 lines x 20 characters

**Battery:** Rechargeable 7.2V 2200 mAh Lithium-Ion

**Backup Battery:** Rechargeable lithium protects RAM  
and real time clock

**Keypad:** 55-key alphanumeric

### Environmental

**Operating Temperature:** 14° to 122°F

**Storage Temperature:** -13° to 122°F

**Humidity:** 5% to 90% RH non-condensing

**Electrostatic Discharge (EDS):** 15 kVdc air; 4 kVdc  
contact

**Sealing:** IP51 (dust, drip water proof)

### System

**CPU:** 32 bit, 200 MHz ARM9 Processor

**Operating:** Open source, embedded Linux®

**Memory:** 32MB DRAM, 16MB Flash ROM;  
10MB available for user programs and data files

**Data Communications:** Serial RS232 (RJ-45) supported  
by M5910 Terminal Charger/Serial Adapter; USB (Type  
II)

**Power Option:** Rechargeable Lithium-Ion battery

### Bar Code Scanner

**Integrated Scanner Options:** Standard Laser; Long Range Laser; Advanced Long Range Laser

**Bar Codes:** Auto discriminates between Code 39, Extended Code 39 (full ASCII), Interleaved 2  
of 5, UPC-A, UPC-E, EAN-8, EAN-13, UPC & EAN supplements, EAN-128, Code 128, Code 93,  
Code 11, Codabar, MSI/Plessey, Bookland EAN, RSS14, RSS Limited, RSS Expanded

### Software Tools

CSS programs for receiving vendor deliveries, taking a physical inventory audit, and doing price  
checks

### Optional Peripherals & Accessories

ACC-5910 terminal charger/serial adapter; Single slot communication/charging cradle; Four  
position battery charger; Holster with belt

### Warranty

Includes one (1) year standard warranty agreement

**Optional:** Extended Warranty (3 years), Extended Warranty

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

## Combo Communication and Recharging Cradle

This charges the M59000 and has a socket for a spare battery.

The Terminal Charger also has 2 communications ports, RS-232 (DB-9) and USB (Type II). The Terminal Charger uses a standard RS-232 (DB-9 Male – DB-9 Female) cable with a length of 3 Meters or less.

Both communication connectors on the back of the universal terminal charger are wired “straight through”. This means that the communications settings on the handheld terminal will determine the settings on the communication cradle. The Terminal Charger has no internal or external settings that can be changed.

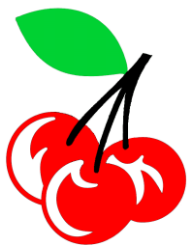
The full-speed USB or RS-232 communication port can be used for uploading and downloading of data files to the handheld terminal. These ports can also be used to load a new or updated operating system into the handheld terminal as well as the CSS programs.



Spare Battery Charger

### DB-9 Pin out (RS-232)

- 1 – DCD (Data Carrier Detect) 6 – DSR (Data Set Ready)
- 2 – RXD (Receive Data) 7 – RTS (Request To Send)
- 3 – TXD (Transmit Data) 8 – CTS (Clear To Send)
- 4 – DTR (Data Terminal Ready) 9 – NC (No Connection)
- 5 - GND (Signal Ground)



## CHERRY SYSTEMS

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