

# M71V2

## Wireless Terminal



### Designed for comfort and ease of use

The AML M71V2 wireless hand-held terminal provides comfort and ease of use for everyday, scan-intensive data capture applications. Its lightweight, contoured design supports comfortable, one-handed operation over extended periods of use. The graphical 160 x 160 backlit LCD with multi-font capability is easy to read, even in dimly lit environments. The spacious LCD screen accommodates the display of large amounts of information, minimizing the need for screen scrolling.

Designed for operational flexibility across a wide range of data collection applications, the M71V2 features an easy-to-use 55-key alphanumeric keypad, multiple integrated scanner options (both 1D and 2D), RS-232 and infrared communication ports. Accessories include single and four position communications/charging cradles, a four position battery charger, a vehicle mount charger, a removable pistol grip with trigger and multiple holsters.

**There are many available charging accessories for the M71V2, including a single slot terminal charger, a four-position terminal charger, and four-position battery charger.**



## Features

Rugged, ergonomic design

Samsung® ARM9 processor

Integrated IEEE 802.11b radio with up to 11Mbps throughput

32MB RAM/16MB ROM

WEP and WPA/WPA2 security

Graphical 160 x 160 backlit LCD display with multi-font capability

55-key alphanumeric keypad

Rechargeable, high capacity 2200 mAh Lithium-Ion battery

Open source, embedded Linux® architecture

IrDA Communication Port

## Benefits

Supports comfortable, one-handed operation over extended periods of use. Holds up in industrial environments.

Rapid processing power

Industry standard WLAN radio technology for real-time, high-rate data transfer

Ample storage capacity, even for the most information-intensive applications

High-level security protection. Includes EAP-TLS, EAP-PEAP, EAP-TTLS and PSK-TKIP

Easy to read, even in dimly lit environments

Maximizes data entry across a wide range of data collection applications

Enhanced power management for eight-hour work shifts without recharging

Highly reliable system performance

Allows communication to peripheral devices

## Physical Specs

|   |  |
|---|--|
| <b>Dimensions</b>                             | 225 mm L x 89 mm W x 57 mm D;<br>8.875" L x 3.5" W x 2.25" D                               |
| <b>Weight</b>                                 | 18.5 oz / 525 g  |
| <b>Drop Specifications</b>                    | 5 ft. (1.5m) drop to concrete  |
| <b>Display</b>                                | Graphical 160 x 160 backlit EL LCD with multi-font capability                              |
| <b>Battery</b>                                | Rechargeable 2200 mAh Lithium-Ion  |
| <b>Keypad</b>                                 | 55-key alphanumeric  |
| <b>Integrated Barcode Scanners (optional)</b> | Standard Laser;<br>Long Range Laser;<br>Advanced Long Range Laser;<br>2-Dimensional Imager |

## Performance Specs

|                                |  |
|--------------------------------|--|
| <b>CPU</b>                     | Samsung® S3C2410 32-bit ARM9 @ 202 MHz with Advanced Microcontroller Bus Architecture (AMBA) |
| <b>Operating System</b>        | Open source, embedded Linux®   |
| <b>Memory</b>                  | 32MB RAM/16MB ROM  |
| <b>Development Environment</b> | Application development using GNU C Compiler   |
| <b>Communications</b>          | IrDA;<br>RS-232  |

## Environmental Specs

|                                      |                                |
|--------------------------------------|--------------------------------|
| <b>Operating Temp</b>                | -10° to 50° C / 14° to 122° F  |
| <b>Storage Temp</b>                  | -25° to 50° C / -13° to 122° F |
| <b>Humidity</b>                      | 5% to 90% RH, non-condensing   |
| <b>Electrostatic Discharge (EDS)</b> | 15kVDC air;<br>4kVDC contact   |
| <b>Sealing</b>                       | IP51 (dust, drip water proof)  |

## Regulatory Specs

|                       |                            |
|-----------------------|----------------------------|
| <b>Certifications</b> | FCC Part 15 Class A        |
| <b>Laser Safety</b>   | CDRH Class II, IEC Class 2 |



## Software Specs

|                           |   |
|---------------------------|---|
| <b>Terminal Emulation</b> | VT100/VT220/TN5250 Clients  |
| <b>Built-In Functions</b> | TELNET Server;<br>FTP Server;<br>HTTP Server;<br>Web Server;<br>Web Browser |

## Wireless Communications

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

## Peripherals & Accessories (optional)

|                    |  |
|--------------------|--|
| <b>Cradles</b>     | Single slot communication & charging cradle;<br>Four slot terminal charger;<br>Four slot battery charger |
| <b>Vehicle</b>     | Vehicle mount terminal charger;<br>Vehicle mount cradle (non-charging)                                   |
| <b>Pistol Grip</b> | Removable pistol grip with trigger   |
| <b>Holster</b>     | Two styles of functional holsters w/ adjustable belts  |

## Maintenance & Support

|                          |  |
|--------------------------|--|
| <b>Standard Warranty</b> | One year standard warranty agreement   |
| <b>Optional</b>          | Extended Warranty Plus (3 years);<br>Extended Warranty (3 years);<br>CARE Plan Extended Warranty (3 years) |

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