The first rugged enterprise digital assistant

The flagship MC70 Enterprise Digital Assistant (EDA) is a rugged handheld mobile device that incorporates a mobile phone, PDA, computer, scanner and imager in a single unit designed for the rigors of all-day, everyday usage. This compact, lightweight device combines multi-mode wireless networking, voice and data communications, and advanced data capture in an enterprise productivity tool that can support nearly any application in any environment. Superior voice functionality includes outstanding acoustic performance and voice quality, handset, headset and speakerphone modes, as well as push to talk capability (if supported by your WLAN infrastructure). Mobile workers will have everything they need to increase productivity and efficiency inside and outside your four walls — from field workers reading meters and repairing equipment to drivers delivering packages, hospital workers checking lab results and medication orders, and more.

Rugged construction delivers a low TCO

The industry leading innovative mechanical design and technology platform offer superior construction and expandability, delivering outstanding investment protection and a low TCO. Engineered to withstand rigorous use in extreme environments and working conditions, the MC70, including the internal WLAN and external WLAN antennas, can endure multiple drops, a wide range of temperatures, moisture, dust and more and still deliver reliable performance.

Built-in WWAN/WLAN/WPAN

The MC70 offers robust and cost-effective anytime, anywhere voice and data connectivity. For workers outside of your facility, support for eGPRS (EDGE) networks delivers global coverage, fast wireless data speeds that enable rich applications, and enterprise level security. Inside your facility, the MC70 connects to your wireless LAN for voice and data communications, providing better control over wireless WAN usage — and costs. And wireless PAN functionality, via Bluetooth, further increases employee productivity through wireless printing and more.

Reduce the cost and complexity of mobility

The versatile, effective MC70 is a smart investment, providing a cell phone, PDA and more — all in a single rugged device. Capital expenditures and IT support costs are significantly reduced. Superior manageability enables you to easily and remotely provision, track and support all your MC70 devices from one central location through Symbol’s Mobility Services Platform. A full suite of accessories provides maximum application flexibility. And comprehensive maintenance and support services — required for even the most rugged products — ensure maximum uptime and value for your investment.

For more information on the MC70, contact us at +1.800.722.6234 or +1.631.738.2400, or visit us on the web at: www.symbol.com/mc70

About Symbol Technologies

Symbol Technologies, Inc., The Enterprise Mobility Company™, is a recognized worldwide leader in enterprise mobility, delivering products and solutions that capture, move and manage information in real-time to and from the point of business activity. Symbol enterprise mobility solutions integrate advanced data capture products, radio frequency identification technology, mobile computing platforms, wireless infrastructure, mobility software and world-class services programs under the Symbol Enterprise Mobility Services brand. Symbol enterprise mobility products and solutions are proven to increase workforce productivity, reduce operating costs, drive operational efficiencies and realize competitive advantages for the world’s leading companies. More information is available at www.symbol.com
**MC70 Series Specifications**

### Physical Characteristics

- **Dimensions**: 6 in. L x 3 in. W x 1.5 in H (all configurations)
- **Weight**: LAVANPAK configurations - 11.2 oz/320 g
- **Display**: Transflective color 2.7" QVGA with backlight; TFT LCD, 65K colors, 350 W/1000:1 (SVGA grade)
- **Touch Panel**: Glass analog resistive touch
- **Backlight**: LED backlight
- **Main Battery**: Rechargeable Lithium ion 3.7V, 1900 mAh Smart Battery
- **Expanded Cap. Battery**: Optional 3.7V, 3000 mAh Smart Battery
- **Backup Battery**: Ni-MH battery (rectangle) 26Ah 1.7V, 2 cells (not user-accessible)
- **Expansion Slot**: User accessible 5200 slot both socket configurations accommodates extended cards (with cover removed). NOTC terminals with extended cards cannot be accommodated in the charging cradle and will not be sealed.
- **Network Connections**: Ethernet (via cradle); high-speed USB, host or client
- **Notification**: Wired and USB
- **Keypad Options**: 26 Numeric key, 44 QWERTY key
- **Audio**: Speaker, receiver, microphone, headset jack, software support for full duplex record and playback (hands-free)

### Performance Characteristics

- **CPU**: Intel® XScale™ PXA27X Mhz processor
- **Operating System**: Microsoft® Windows® Mobile 5.0 Premium Phone Edition
- **Memory**: 64MB RAM/128MB ROM
- **CPU**: Intel® XScale™ 624 Mhz processor
- **Performance**: Vertical - 32.2°, Horizontal - 24.5°

### Data Rates Supported

- L1, L2, L3, 5.5, 6, 11, 12, 18, 24, 36, 48, and 54 Mbps

### Operating Channels

- 14 Channels: 1-13 (2412-2472 MHz) (USA), 14 (2437 MHz) (Japan only)
- Actual operating frequencies depend on regulatory rules and certification agency

### Frequency Division Multiplexing (OFDM)

- USA: FCC Part 15.247, 15.407
- Canada: ICES 003 Class B
- Europe: EN55022 Class B, EN 55024, EN60601-1-2

### Bluetooth

- USA: FCC Part 22, Part 24
- Canada: RSS-210

### Regulatory

- Electrical Safety: Certified to UL/cUL 60950-1, IEC/EN60950-1
- Environmental Peripherals and Accessories
- Battery Chargers: 4-slot battery charger (1X and 2X), universal battery charger
- Cradles: Single-slot serial/USB with spare battery charging for 1X, 2X, 4X, and 8X capacity batteries
- Peripherals and Accessories
- Magnetic Strip Reader
- Vehicle and charging cables

### Other Features

- A full suite of accessories provides convenient charging of MC70 devices and batteries as well as customization for a variety of vertical applications, from trigger handles that increase user comfort to magnetic stripe readers that enable on-the-spot credit card processing, and more.
## MC70 Series Specifications

### Physical Characteristics

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Width: 4.1 in (104 mm)</th>
<th>Height: 2.3 in (59 mm)</th>
<th>Depth: 1.5 in (38 mm)</th>
</tr>
</thead>
</table>

### Display
- 3.5 in (640 x 480 pixels) TFT-LCD
- 65K colors
- 240 W x 320 L (QVGA size)

### Environment
- **Humidity:** 95% non-condensing
- **Storage Temperature:** -40° F to 140° F / -40° C to 60° C
- **Operating Temperature:** 14°F to 155° F / -10°C to 68° C

### Memory
- **Memory:** 64MB RAM / 128MB ROM
- **CPU:** Intel® XScale™ 624 MHz processor
- **Operating System:** Microsoft® Windows™ Mobile 5.0 Premium

### Performance Characteristics
- **Dimensions:** 6 in. L x 3 in. W x 1.5 in. H
- **Weight:** 11.2 oz. / 314 g

### Security
- **Electrostatic Discharge:** +/-15kV air discharge, +/-8kV direct discharge
- **Tumble Specification:** 1,000 1.6 ft. / 0.5 m tumbles (2,000 drops)
- **Drop Specification:** 4 ft. drop to concrete, 6 drops per 6 sides over operating range
- **Ambient Light:** Sunlight: 8,000 ft. candles (86,112 Lux)
- **Skew Tolerance:** +/- 50° from normal
- **Pitch Angle:** +/- 60° from normal
- **Roll:** 360°

### Audio
- **Audio:** Speaker, receiver, microphone, headset jack, software support for full duplex record and playback (at 12 kbps)

### Backup Battery
- **Backup Battery:** Ni-MH battery (rechargeable) 20mAh 1.2V, 2 cells (not extended cards)
- **Extended Cap. Battery:** Optional 3.7V, 3800 mAh Smart Battery

### Dimensions
- **Dimensions:** 6 in. L x 3 in. W x 1.5 in. H

### Data Capture Specifications
- **Optical Resolution:** 1.0 mW nominal
- **Scan Angle:** 46.5° (typical)
- **Scan Rate:** 50 (+/-6) scans/sec (bidirectional)
- **Shock:** 2,000 +/- 5% G
- **Ambient Light:** Total darkness to 9,000 ft. candles (96,900 Lux)
- **Illumination Element (LED):** 635 nm +/- 20 nm
- **Aiming Element (VLD):** 650 nm +/- 5 nm

### Wireless WAN Data and Voice Communications
- **Bandwidth:** 1, 2, 5.5, 11, 12, 18, 24, 36, 48, 54 Mbps
- **Operating Channel:** Chan 8-169 (5040 – 5845 MHz) (4920 – 4980 MHz) Japan only
- **Data Rates Supported:** 1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48 and 54 Mbps
- **Radio:** Horizontal: 32.2°, Vertical: 24.5°

### Peripherals and Accessories
- **Chargers:** 4-slot cradle, vehicle charging cable, power/charging cable
- **Accounting:** Single-slot cradle/USB with spare battery charging for standard and extended batteries, four-slot Ethernet cradle, optional cradle, vehicle cradle
- **Battery Spec:** 3.7V, 1900 mAh Smart Battery
- **Charging Cables:** Vehicle charging cable, power/charging cable

### Regulatory
- **Electrical Safety:** Certified to UL, cUL, EN60950-1, IEC / EN60950-1
- **EMI/RFI:** USA: FCC Part 15, Canada: RSS-102 Class B
- **EMC:** USA: FCC Part 15, Canada: RSS-102 Class B
- **Safety:** IEC Class II, EN55022 Class B, EN55024, EN60601-1-2

### Warranty
- **Warranty Period:** 12 months from date of shipment, provided that the product remains under normal and proper conditions.
- **For countries outside USA, Canada, European Economic Area, Japan or Australia consult your local Symbol representative

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**Remote Connectivity: RS-232, USB 1.1**

**Communication Specifications:**
- **Certified:** IEEE 802.11a/b/g direct sequence wireless LAN support for full duplex record and playback (stereo)
- **Actual operating frequencies depend on regulatory rules**
  - For countries outside USA, Canada, European Economic Area, Japan or Australia consult your local Symbol representative

**Interface/Communications:** RS-232, USB 1.1

**Electrical Safety:** Certified to UL, cUL, EN60950-1, IEC / EN60950-1

**WLAN and Bluetooth:** USA: FCC Part 15.247, 15.407, Canada: RSS-247, 248

**Security:** WPA2, WEP (40 or 128 bit), TKIP, TLS, PEAP, LEAP, and certification agency

**Inkjet Printers:** IEC Class 1, IEC 60335-1, UL listed

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**Battery Specifications:**
- **Backup Battery:** Ni-MH battery (rechargeable) 20mAh 1.2V, 2 cells (not extended cards)
- **Extended Cap. Battery:** Optional 3.7V, 3800 mAh Smart Battery
- **Main Battery:** Rechargeable Lithium ion 2.7V, 1900mAh Smart Battery
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