

# MX9

## Mobile Computer

To earn the right to be called “ultra-rugged,” a device must test to an IP rating of 67, a 6-foot drop to concrete, and a 2,000 cycle 1-meter tumble test. But the true tests of the MX9 don’t happen in a lab. The MX9 proves itself on the loading dock when a worker uses it as a hammer to repair a palette; when a farmer trusts it as his sole connection to suppliers; and when workers use the device in a widening spectrum of demanding conditions.

To what kind of test will you subject the MX9? Push the PXA 320 processor with quick-turn browser-based applications. Use the WWAN radio and GPS to stay connected from the most remote locations.

From the port to the wheat field. From the warehouse to the construction site. From our tests to yours. Put the MX9 through its paces today.



## Features

- **Ultra-Rugged:** Lowers total cost of ownership and reduces downtime with an IP67-rated design that has the ability to withstand multiple 6’ drops to concrete and 2,000 1m tumbles
- **Anywhere Wireless Connectivity:** Supports real-time connectivity to critical information with WWAN radio, GPS, and WLAN
- **Customizable Keyboard:** Increases worker productivity and ease of use with a fully mappable keyboard with 10 one-touch function keys
- **Outdoor Display:** Transflective display technology is readable, even in direct sunlight, for port, intermodal and other customers requiring outdoor data collection

# MX9 Technical Specifications

## Mechanical/Environmental

Dimensions	9.9" x 3.9" x 2.7" (251mm x 99mm x 69mm)
Weight	2.1 lbs. (34 oz.) with scanner, 802.11, Bluetooth and handstrap
Operating Temperature	-4° to +122°F (-20° to +50°C)
Storage Temperature	-4° to +158°F (-20° to +70°C)
Humidity	5 to 95% non-condensing
Drop	Withstands multiple 6' (1.8 m) drops to concrete
Tumble	2,000 (1m) tumbles per IEC 60068-2-32 specification
Environmental Sealing	Independently certified to meet IP67 standards for moisture and particle resistance
ESD	15KV Air discharge, 8KV contact discharge

## System Architecture

Processor	PXA320, 800MHz
Operating System	Microsoft® Windows® CE 5.0 Professional or Microsoft® Windows® Mobile 6.5
Memory	128MB SDRAM, 128MB Flash; 1GB or 4GB SD-card expansion
Display	3.7" (94 mm) QVGA (240x320), transfective
Touch Panel	Resistive touchscreen with stylus
Keypad	Backlit 62-key alphanumeric, 38-key numeric-alpha
Audio	Microphone, Speaker with adjustable volume control
I/O Ports	RS-232/USB 2.0 host and client/audio out/Ethernet/charging connector
Battery	Li-ion, 11.1V, 2,400 mAh
Battery Life	12 hour full-shift battery life (scanning and sending data over WLAN and Bluetooth every 10 seconds)
Imager/Scanner	Near-Far Range Laser (Lorax), Standard Ranger Laser, 2D imager
Decode Capabilities	Reads standard 1D and 2D symbologies
Warranty	1 year factory warranty
Service Plans	Optional three-and five-year service programs offer worry-free mobile computing

## Wireless Connectivity

WWAN	GSM, GPRS, Edge
WLAN	802.11 b/g, 802.11 a/b/g
WLAN Security	Authentication: Support for a full range of 802.1X (EAP) types, including EAP-TLS, PEAP-MSCHAPv2, PEAP-GTC, LEAP, and EAP-FAST Encryption: Support for Static, pre-shared, and dynamic encryption keys, 40-bit and 128-bit keys, WEP, WPA (TKIP), and WPA2 (AES) Encryption Methods
WLAN Antennas	Internal diversity antenna
WPAN	Bluetooth® 2.0 + EDR, class II
GPS	GPS receiver

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