

MX9HL

Mobile Computer

What makes the MX9HL an ultra-rugged hand-held? Rated for Class 1, Division 2, Groups A, B, C, and D, the MX9HL boasts a host of features including an IP67 rating, and the ability to withstand multiple 6 foot drops to concrete and 2,000 1m tumbles. The MX9HL ultra rugged hand-held is ready for the most rugged environments imaginable.

The MX9HL ships with a PXA 320 processor and industry leading Microsoft® Windows® CE 5.0 Professional operating system. Options include a WWAN radio with GPS receivers, a choice of backlit keyboards, built-in heaters and more. Data collection in any environment is no challenge for the MX9HL, one of the most advanced ultra rugged hand-helds in the industry.

The MX9HL is perfect for use in chemical processing facilities, aircraft refueling applications, outdoor field service activities, and any harsh environment where data collection is needed. Don't let its rugged exterior fool you - the MX9HL is intelligent, flexible, and dependable.



Features

- **Hazardous Location Rated:** Certified for Class I, Division 2, Group A, B, C & D hazardous locations, ensuring worker safety
- **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 2G WWAN radio, GPS, and WLAN

MX9HL 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
Hazardous Locations	UL: Class I Division 2, Groups A, B, C, D with NRTL mark ISA 12.12.01, CSA C22.2#213
ESD	15KV Air discharge, 8KV contact discharge

System Architecture

Processor	PXA320, 800MHz
Operating System	Microsoft® Windows® CE 5.0 Professional
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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