MX9CS

Mobile Computer

The MX9CS is an ultra-rugged mobile computer that withstands temperatures down to -22°F (-30°C). With an IP67 rating, this ultrarugged hand-held from Honeywell is ready for the most extreme environments imaginable. From built-in heaters to low-temperature batteries, the MX9CS easily adapts from normal temperature ranges to cold conditions.

The MX9CS has unique features such as heater on/off control and 10 function keys.

Like the regular MX9, the MX9CS ships with a PXA 320 processor and industry leading Microsoft® Windows® CE 5.0 Professional or Microsoft® Windows® Mobile 6.5 operating system. Options include a WWAN radio with GPS receivers, a choice of backlit keyboards and more.

The MX9CS is perfect for use in all cold environments including refrigerated warehouses, cold climate ports and other outdoor logistics or cold storage operations where data collection is needed. Don't let its rugged exterior fool you - the MX9CS is intelligent, flexible, and dependable.

Features

- **Designed for Cold Storage:** Operates to -22°F (-30°C) without fog, frost, or condensation with low-temperature batteries and specialized thermostatic control heaters

- **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

- **Customizable Keyboard:** Increases worker productivity and ease of use with a fully mappable keyboard with 10 one-touch function keys

MX9CS 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	-22° to +122°F (-30° to +50°C) w/ heaters
Storage Temperature	-4° to +158°F (-20° to +70°C)
Humidity	5 to 100% relative humidity condensing at 104°F (40°C)
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), transflective
Touch Panel	Resistive touchscreen with stylus with heater
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	Standard temperature - Li-ion, 11.1V, 2,400 mAh Low temperature - Li-ion, 11.1V, 2,200 mAh
Battery Life	3.5 hour battery life at -30C (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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