



MX 450 SERIES

Rugged Vehicle Computer

12.1" Touch Screen and LCD
Optional Outdoor Readable LCD
Adheres to NEMA 4X Specification
WIFI, 802.11
Optional -30° Heater and Keyboard

Shock-resistant with full-PC functionality for the most demanding applications and adverse environments!



thinENGINEcomputer

MX450 SPECIFICATIONS

Enclosure

- Constructed of sealed cast aluminum

Processor

- LX800, 500 MHz or
- Intel Atom 1.6 Ghz

Memory

- 256 MB SDRAM (upgradeable to 2 GB)

Storage

- 1 GB to 8GB Compact Flash

Software

- Windows Embedded XP, Windows Embedded 7
- Optional: Terminal Software such as 5250 and 3270 emulation

Display

- 12.1" Color TFT active LCD Screen
- Backlight - 50,000 hours (Typical), 400 nits
- SVGA 800x600 (Optional: XGA 1024x768)
- Optional: Sunlight Readable Display
- Optional: Heater

Touchscreen

- Optional: Resistive Touch Screen

Power System

- Wide Range DC - DC internal power supply 9 VDC - 60 VDC input
- Optional: External AC to 24VDC, 2.5 A Desktop Power Supply

Environmental & Rugged

- Operation : -0°C ~ 50°C, 32°F ~ 122°F
- Storage : -20°C ~ 60°C, -4°F ~ 140°F
- Humidity Storage : 0% ~ 95% (Non Condensing)
- Adheres to NEMA 4X Specifications
- Adheres to IP65 Specifications

Radio Communications

- Wireless LAN 802.11b/g
- Internal mini PCI, dual diversity internal antenna

External Ports

- Power Connector,
- Keyboard & Mouse connector
- USB
- Two Serial
- One Parallel
- Two Network RJ 45

Dimensions and Weight

- Dimension : 12.5" (H) x 10.5" (W) x 3.81" (D)
- Note: Height & width may vary depending on antenna selection

- Weight :
No Keyboard or shock bracket: 17.0 lbs.
With Keyboard and shock bracket: 30.0 lbs.

Standard Package

- MX450 Main Unit

Mounting Options

- Vehicle mount shock absorbing bracket
- Wall mount bracket
- Pole mount bracket
- Supports standard VESA 100mm X 100mm

Accessories (Sold Separately)

- Sealed Cable Kit
- Typhoon Keyboard (choice of 11 languages)
- Typhoon Keyboard 96/97 Sealed PS2 Cable
- Typhoon Keyboard 96/97 Sealed USB Cable
- 12V Heater (for outdoor/freezer applications)
- Sealing Caps Kit (used to cover any unused connectors)
- External AC to 24 VDC, 2.5 A Desktop Power Supply
- See Mounting Options Section



Keyboard Mounting Bracket

- Rugged Keyboard bracket



Shock Absorbing Bracket

- Rugged Design



Power Supply

- AC to DC power supply 24V, 2.5 A max



Cables

- Sealed USB and RS232 Serial cables