



MX 451 SERIES

Rugged Mobile, Fixed or Vehicle Computer or Data Collection Terminal

7" Touch Screen and LCD, Optional Outdoor Readable LCD
Adheres to NEMA 4X Specification
Optional Heater
WIFI, Bluetooth, Cellular Radio
Backlit Keyboard and 3 MP Camera
Back-up Li-Ion Battery

Our most versatile computer!



thinENGINEcomputer

MX451 SPECIFICATIONS

Enclosure

- Rugged Sealed ABS Plastic

Processor

- Marvell PXA270

Memory

- 32 to 128MB (1GB) SDRAM
- 8 to 32 MB NOR Flash

Storage

- 4Gb (512MBx8) NAND Flash and micro SD expandability up to 32GB

Software

- Windows CE 6.0
- Upgradeable to Windows Embedded 7

Display

- 7" 800x480 (WVGA)
- Optional: Sunlight Readable Display
- Optional: Heater

Touchscreen

- 4 Wire resistive

Keypad

- Optional: Integrated 24 key keypad: Numeric pad plus navigation keys and 4 user-definable keys.

Audio

- Internal Speaker (mono) and Mic. Speaker > 85 dB SPL output (@1m)

Power System

- DC In, 9-42V, 1500V isolation
- Li-Ion backup only (estimated life of 20 minutes)

Environmental & Rugged

- Operation : -30°C ~ 60°C, -22°F ~ 140°F
- Storage : -30°C ~ 60°C, -22°F ~ 158°F
- Operating Humidity : 10% ~ 90% (Non Condensing)
- Adheres to IP54 Specifications

Connectivity

- Wifi: (802.11b/g), data rate up to 11Mb/s, WEP, TKIP, WPA and WPA2, AES/CCMP per 802.11 i
- Bluetooth: Bluetooth v2.0 + EDR, standard HCI Interface, including A2DP audio profile, plus others.
- GPS: 20 Channel, High GPS Receiver tracks as low as -157dBm. Based on the CSR/SiRF™ SiRFStar III
- WWAN: Quad-band GSM/GPRS Upgradeable to EDGE, HSPA, CDMA 1xRTT (Data Only – no voice)

External Ports

- 3.5mm audio jack for stereo headset,
- 3 Micro USB connectors,
- Ethernet (RJ45),
- micro SD card slot and internal SIM slot

Dimensions and Weight

- Dimension : 8.2" Wide, 6.9" High, 1.5" Thick (208mm x 175mm x 38mm)
- Weight : 1.8 lbs (800g) (ESTIMATED, base unit)

Regulatory Compliance

- EMC: CE Mark, FCC Part 15 Class A
- Safety: UL/MET (UL 69050-1 spec)

Standard Package

- MX451 Main Unit

Mounting Options

- Vehicle mount bracket
- Wall mount bracket
- Pole mount bracket
- Supports standard VESA 75mm X 75mm

Accessories (Sold Separately)

- Typhoon Keyboard (choice of 11 languages)
- Typhoon Keyboard 96/97 Sealed PS2 Cable
- Typhoon Keyboard 96/97 Sealed USB Cable
- Optional: Sealed cable kit
- External AC to DC Power Supply



Keyboard

- Waterproof Keyboard



Vehicle Mount Bracket

- Rugged Design



Power Supply

- AC to DC power supply



Cables

- Optional Sealed USB cables