

# VX8 Kärv

LXE | TRUX | Vehicle Mount Computers



Centuries ago, the kärv was an agile seafaring vessel used in both battle and merchant missions. Today, the LXE Kärv is a compact, rugged, and wirelessly-enabled mobile PC designed to be every bit as versatile as its namesake.

The Kärv is designed for enterprises that need full Microsoft® Windows computing power in a mobile environment to optimise application and network management compatibility, and is flexible enough to run multiple advanced applications, with either Windows XP Professional MUI or Windows Embedded Standard. Radio communications are delivered on the move with optional Bluetooth, WLAN or WWAN radio configurations. And it's all packaged in an IP 65-rated magnesium enclosure that's built to thrive in the toughest environment — yours.



## AGILE

Compact size (279mm x 229mm x 77mm) and multiple mount options ideal for tight spaces.

## POWERFUL

High-strength magnesium housing protects an equally powerful Intel® Core 2 Duo or Atom Processor.

## VERSATILE

Ambient-light sensor and available energy-efficient LED backlit display ready for any environment.

 OUTDOOR DISPLAY

 -30°C

 IP 65

**LXE**<sup>®</sup>

[www.lxe.com](http://www.lxe.com)

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## TECHNICAL SPECIFICATIONS



### PLATFORM

#### Processing & Memory

- Intel® Core 2 Duo 1.5GHz, RAM: 1GB DDR standard (2GB optional)
- Intel® Atom 1.6GHz, RAM: 1GB DDR standard (2GB optional)

#### System

- Windows® XP Professional MUI
- Windows® Embedded Standard (WES 2009)
- Windows® 7 Ready

#### Graphics Card

- Intel® Extreme Graphics 2, 32 MB RAM

#### Display & Touch Screen

- Indoor 264mm TFT flat panel, SVGA(800x600)  
LED Backlit
  - Maximum brightness: 400 cd/m<sup>2</sup>
  - Contrast ratio 700:1
- Light sensor for automatic display adjustment
- Touch screen options:  
Hardened, Defroster

#### Hard Drives

- 60 GB 2.5" Hard Drive Automotive
- 16 GB Solid State Drive
- 8 GB Compact Flash
- 4 GB Compact Flash

#### Power Supply & UPS

- External power supply 10-150VDC
- Integrated Li-ION battery backup
- Integrated backup battery charger

#### Enclosure

- High strength magnesium housing
- Weight: 2.9 kg
- Dimensions: 279mm x 229mm x 77mm
- Shock-absorbing mounting system

### CONNECTIVITY

#### System Software

- VMT Manager (Config. Utility)
- Citrix® Client
- Windows® Terminal Services

#### Optional Software

- RFTerm® (Windows Terminal Emulations VT220, TN5250, TN3270)
- FreeFloat® Terminal Emulator (VT220, TN5250, TN3270)
- Barcode Wedge
- On-screen soft keyboard

#### Interfaces

- 2 PS/2 ports (1 keyboard, 1 mouse) w/strain relief
- 2 Serial ports (COM1) and (COM2) support 5V or 12V to external units
- 2 USB 2.0 ports (with strain relief)
- 1 Multi-purpose connector (Serial + USB)

- 1 RJ-45 ethernet 10/100
- 1 Audio out (head set)
- 1 Mic in (microphone)
- 1 VGA connector
- Onboard speakers (front)
- Internal slots: 2 Mini-PCI, internal 1 USB 2.0, 1 PC Card

#### Radio Support

- WLAN: 802.11 a/b/g
- WWAN GSM/GPRS Edge
  - HSDPA/HSUPA/UMTS/HCDMA
  - Multiband 850/900/1900/2100 MHz
  - Remote GSM/GPRS antenna included
- Bluetooth 2.0+EDR
- WPA and WPA2 security
- Dual diversity external antennas
- Remote mount antenna kits available

### RUGGEDNESS

#### Environmental

- Operating temperature: -30 to +50°C
- Storage temperature: -20 to +50°C
- Start-up temperature: -20 to +50°C
- Dust and water protection enclosure rating compliant to IEC 60529 IP65

#### Approvals

- Temperature
  - Cold: IEC 60068-2-1, Test Aa
  - Dry heat: IEC 60068-2-2, Test Bc
  - Change of temperature: IEC 60068-2-14, Test Nb
- Moisture: According to IEC 60068-2-30, Test Db.
- Mechanical Vibration: According to IEC 60068-2-64, Test Fh
- Bump: According to IEC 60068-2-29, Test Eb
- Conformity: CE, FCC, and ETL

### ACCESSORIES

- Multiple rugged keyboard options
- Fully isolated & protected external power supply
- Multiple RAM Mount mounting options

- Screen blanking box
- Data and adapter cables
- Barcode scanners (tethered & wireless)

Download accessory catalogue at [www.lxe.com](http://www.lxe.com)



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