

# VX1/VX2

## Vehicle Mounted Computer

### INDUSTRIAL ERGONOMICS

The VX1 and VX2 are the latest in an advanced line of LXE's rugged terminal-emulation-based Vehicle Mounted Computers. With an enclosure rating of IP66 and vibration testing based on military specifications, the VX1 and VX2 are designed to perform in the most demanding operating conditions including extreme vibration, heat, cold, dust, dirt, or rain. The VX1 is a half screen

computer with an integrated keyboard while the VX2 is a full screen computer with a choice of multiple external keyboard options. The VX1 and VX2 are also available with internal heaters, which allow for use in extremely frigid environments, and are manufactured with a combination of aluminum casting and high impact black polycarbonate/polyester blended plastics.

### INNOVATIVE KEYBOARD DESIGN

Innovative keyboard and bracket design greatly increases the industrial ergonomics of the VX1 and VX2 Vehicle Mounted

Computers. LXE keyboards are designed with large keys for gloved hand operation and the keys are backlit for high visibility. LXE keyboards are also chemically coated for resistance to scratches and abrasions. LXE's rugged external keyboard for the VX2 is designed for

use in the most demanding operating conditions. Utilizing LXE's innovative keyboard bracket design, the rugged external keyboard can be mounted remotely, or integrated in conjunction with the unit's mounting bracket for added space savings. The VX1 Computer can be ordered with QWERTY or ABCD Keypad configurations. QWERTY configurations of the integrated VX1 and external VX2 keyboards can be ordered with IBM® terminal emulation specific overlays.

### INDUSTRY STANDARD PLATFORM

The VX1/VX2's upgraded Intel® 486 SX ULP processor and ROM-DOS™ 6.22 operating system increase operating speed, and allow the use of standard DOS applications and existing software development tools to simplify your application development process, and ensure IBM® PC compatibility. The VX1 and VX2 will easily integrate into all existing LXE

installations, and support 900Mhz and 2.4Ghz (802.11b) PCMCIA radio cards and terminal emulation standards including ANSI, 5250, 3270, LDS, TN3270, and TN5250. The VX1/VX2 Vehicle Mounted Computers provide reliable performance for a broad array of wireless mobile computing applications.



# TECHNICAL SPECIFICATIONS

## VX1/VX2 Vehicle Mounted Computer

### Processing & memory

Intel® 486 SX ULP  
4 MB RAM  
8 MB Flash  
IBM PC-AT & DOS Compatible

### Operating Systems & Emulations

ROM-DOS™ 6.22  
Phoenix PicoBIOS®  
Emulations  
ANSI, LDS, 3270, 5250, TN3270, TN5250

### Keyboard Options

VX1  
LXE Rugged Integrated Keyboard  
QWERTY & ABCD Options  
IBM Specific Overlays (QWERTY Only)  
VX2  
LXE QWERTY Rugged Keyboard  
IBM Specific Overlays  
Integrated Mounting Bracket  
Remote Mounting Bracket  
Remote Standard Keyboard (Cherry)  
Remote NEMAKeyboard (Storm)

### Display

Super Bright Electroluminescent (EL)  
640 X 200 pixels (VX1)  
640 X 480 pixels (VX2)

### Power Supply & Management

10 - 80 VDC Internal  
120 - 240 AC Power Adapter  
NiCad Backup Battery Pack

### Interfaces

Communication Ports  
(2) RS-232 DA-9, waterproof  
5V Power Option  
Beeper w/ adjustable volume control  
VX2 Only:  
Powered waterproof Molex PS/2  
Keyboard

### Expansion

One PCMCIA V.2.1 slot  
Accepts Type I, II, III

### Radio Card Support - PCMCIA

2.4GHz DSSS 802.11b  
Up to 11Mbps at 2.4GHz  
35mW at 2.4GHz  
2.4GHz FHSS (OpenAir™)  
1.6Mbps at 2.4GHz  
100mW at 2.4GHz  
902-928 MHz FHSS  
64 Kbps at 902MHz  
250mW at 902MHz

### Enclosure

Combination High Impact Black polycarbonate/polyester blend plastic and aluminum casting  
Size  
9" x 12" x 3.25"  
(22.9cm x 30.5cm x 8.3cm)  
Weight  
5.0lbs (2.268 kg)

### Environmental

Operating Temperature  
-4°F (-20°C) to 122°F (50°C)  
Heater Option: -22°F (-30°C) to 122°F (50°C)  
Storage Temperature  
-22°F (-30°C) to 158°F (70°C)  
Humidity  
5% to 95% RH non-condensing at 104°F (40°C)  
Ingress Protection Enclosure Rating  
IEC 529 compliant to IP66  
Sealed against water jet streams and dust  
Vibration Testing  
Based on MIL STD 810D



### Approvals

Emissions (EMI)  
FCC Part 15 Subpart B, Class A  
Industry Canada ICES-003 Class A  
EN 55022:1998, (CISPR 22:1997) Class A  
Immunity (EMC)  
EN 55024:1998  
Safety  
UL 1950, CSAC22.2 No. 950, EN 60950, IEC 950  
Radios separately approved to:  
FCC Part 15, Subpart C  
Industry Canada RSS 102, RSS 139, and/or 210  
R&TTE Directive: EN 300 328, EN 300 826, EN 60950

