

# THOR™

LXE | TRUX | Vehicle Mount Computer



It's the first few feet after the traffic jam, the restart after a yellow flag, or the daylight that breaks right in front of our eyes. It comes when innovation shatters conventional thinking to create fast, open road. Meet the Thor™, LXE's newest vehicle-mount computer, and the reinvention of the category.

The Thor™ is intuitively designed to match the way you work, with features like the Quick Mount Smart Dock that allow one-handed docking and undocking, or the field-replaceable keyboard and touchscreen that swap out in seconds. When you're on the job, the Thor™ works overtime, with a fast 1.6GHz Atom Z530 processor, WWAN, WLAN, and Bluetooth connectivity, and a Windows Embedded Compact (Win CE 6.0) or Windows Embedded Standard OS. All that computing power comes optimised for industrial environments with custom-made features like our patent-pending ignition control.

And it all comes from LXE, the manufacturer who has pioneered vehicle-mount computing for almost three decades. Ready for the open road? Visit [www.lxe.com](http://www.lxe.com)



## SPEED

Intel® Atom Z530 1.6GHz Processor with up to 2GB RAM

## FIELD-REPLACEABLE

Keyboards and touchscreens swap out in seconds.

## QUICK-MOUNT SMART-DOCK

Dock & undock with one hand.

## CUSTOMISABLE

Fully-mappable keyboards in multiple configurations with 10 function keys.

## CONNECTED

802.11 a/b/g/n & Bluetooth standard, with available WWAN radio.



-30°C



IP 66



WWAN RADIO



GPS



OUTDOOR DISPLAY



VOICE READY



# THOR™

## TECHNICAL SPECIFICATIONS



### PLATFORM

#### Processing & Memory

- Intel® Atom Z530 1.6GHz
- 1GB (Win CE 6.0) or 2GB DDR2 SDRAM (WES)

#### System

- Windows Embedded Compact (Win CE 6.0)
- Windows® Embedded Standard 2009 (WES)

#### Mass Storage

- 1GB for Windows CE; 4GB and 8GB for WES OS
- User installable expansion slot supports 1GB and 4GB SD card

#### Display & Touch Screen

- 8" (20cm) WVGA (800x480) LED backlit display
- Standard 400 NIT indoor display
- Optional 900 NIT outdoor display
- Light sensor provides automatic brightness control
- Resistive touchscreen
- Optional touchscreen defroster
- Optional screen blanking

#### Power Supply & UPS

- 10 to 60 VDC isolated
- Optional external converters for AC (90-240VAC) & extended range DC (60-150 VDC)
- Integrated Li-ION maintenance UPS, 30-min life at -20°C

#### Dimensions

- Terminal: 268 x 214 x 43/66mm
- Dock: 180 x 155 x 64mm
- Weight:
  - Terminal: 2.1kg
  - Dock: 1.2 kg

#### Keyboard

- Full 64-key QWERTY keyboard w/ number pad & 10 function keys
- Optional 13-key minimised keyboard with 10 function keys, shift, 2<sup>nd</sup> & power keys
- All keys except modifiers are mappable
- All keys backlit
- Optional 5250 & 3270 terminal overlays

### CONNECTIVITY

#### Optional Software

- Windows Embedded Compact (Win CE 6.0)
  - RFTerm, WavelinkTE, Naurtech CETerm & Industrial Browser, & Stay-Linked Terminal Emulators
  - DCWedge barcode wedge
  - Wavelink Avalanche & eXpressConfig network management
- WES
  - Freefloat Access One terminal emulator
  - Freefloat Wlinq wedge

#### Interfaces

- 1x USB 2.0 host port
- 1x USB 1.1 client port
- 2x RS-232 COM ports
- 1x CAN-bus port
- 1x headset port
- Ignition Control Input
- RF Antenna ports for WiFi (2), WWAN (2) & GPS (1)
- Integrated stereo speakers w/ adjustable volume control
- Integrated microphone

#### LEDs

- System status
- Power status
- SSD status
- WWAN status
- WLAN status
- Bluetooth status

#### Radio Support

- WLAN:
  - 802.11 a/b/g/n for Windows Embedded Standard 2009 (WES)
  - 802.11 a/b/g for Windows Embedded Compact (Win CE 6.0)
  - WPA & WPA2 security
  - Dual internal or external antennas

- Bluetooth® 2.0+EDR standard
- Optional Gobi 2000™ WWAN Radio
  - UMTS/HSPA 3.75G Release 6
    - › 800, 850, 900, 1900, & 2100 MHz bands
    - › GSM/GPRS/EDGE compatible
    - › AT&T approval for US applications
    - › GCF approval for worldwide apps
  - CDMA EV-DO Release A
    - › 800 & 1900 MHz bands
    - › Verizon approvals for US applications
  - Data only
  - GPS: A-GPS included

### ENVIRONMENTAL

- Ingress Protection: IEC 60529 compliant to IP66
- Operating temperature: -30° to +50°C (-22° to +122°F)
- Optional screen defroster recommended for cold storage
- Storage temperature: -30° to +60°C (-22° to +140°F)
- Vibration: MIL-STD-810F, composite wheeled vehicles
- Crash: SAE-J 1455
- RoHS compliant

- Immunity
  - EN 55024:1998 (enhanced: ESD to 8kV direct & 15kV air)
  - GB 9254-2008
- Safety
  - UL 60950-1
  - CSA C22.2 No. 60950-1
  - EN 60950-1
  - IEC 60950-1
- Radio
  - FCC Part 15, subpart C
  - IC RSS210, 102
  - EN 300 328
  - Approved by all LXE-operating countries (to confirm specific approval, email info@lxe.com)

#### Approvals

- Emissions
  - FCC Part 15, subpart B, class A
  - EN 55022, Class A (CISPR22)
  - AS/NZS 3548, Class A (CISPR22)
  - GB9254

### CUSTOMISATIONS

#### Accessories

- Multiple RAM® Mount mounting options
- Screen blanking unit
- Data & adapter cables
- Multiple external DC/DC & AC/DC converters
- Remote antenna kits
- Barcode scanners (tethered & wireless)
- Quick-Mount Smart-Dock: Dock & undock with one hand

#### Field replaceable/installable components

- Keyboard
- Touchscreen
- UPS battery
- Expansion Flash memory

#### Developers

- Free SDK available: [www.lxe.com/developer](http://www.lxe.com/developer)



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