Åkerströms Tx700

Windows® XPP / XPE

Åkerströms' top-performing Tx700 is a forklift truck computer with high performing Intel processors. Åkerströms developed it for operations that want total flexibility and need powerful computers to simultaneously run several heavy applications.

It's built to handle the toughest treatment in production environments and warehouses exposed to dust, shock, vibrations, dampness, and extreme hot and cold temperatures.

Åkerströms Tx700 is our most powerful computer developed to handle extensive, tough treatment in challenging industrial environments.

- Highest performance for heavy applications

- Support for built-in Bluetooth®, USB 2.0, and sound

- High reliability and compact, rugged design

- Functions for increased safety and security

- Several options and many accessories

- Lightweight magnesium case

Åkerströms Tx700 is based on a totally new modular design architecture, making it easy to adapt to your operation's needs. Return on investment is assured because future functions are easily implemented. Åkerströms Tx700 is developed and manufactured as per the RoHS directive.

Unsurpassed power and ruggedness
When it comes to performance and functionality. Åkerströms Tx700 is the most powerful computer in the Trux product line. It is equipped with powerful, energy efficient Intel processors, high-brightness screens, many connection possibilities and capable of physical abuse.

Totally new opportunities for integration with other systems and applications are available because the unit is equipped with inputs and outputs for sound. As an option, you can get built-in Bluetooth support for wireless connections to scanners, printers, headsets, and so on.

The possibilities are limitless. In addition, you can get 2 USB 2.0 contacts for connecting units for high-speed data transmission, e.g., for video transmission for cameras.

Created for challenging environments
The unit is developed to tolerate brutal treatment in industrial environments over the long term — from knock-resistant magnesium cases to sturdy internal components that are classified for industrial use. Extra reinforcement is built into card and screen holders, cabling, and mounting brackets. The computers are rigorously tested in certified laboratories and in real industrial environments to ensure that they tolerate dampness, extreme heat and cold, jolts, shock and vibrations.

Reliable and safe
Åkerströms Tx700 comes with battery backup and a power-saving function built into the accompanying Trux Computer Manager.

This software also senses power-supply dips and can, for example, lower the screen's light density and shut off the computer after a specified time so that the user data isn't lost. For safety, the screens can be automatically blacked out when vehicles are moving so that operators aren't distracted.

Åkerströms Tx700 is protected against damages from lightning, power surges and similar events by its external power converter.

SPECIFICATIONS/OPTIONS — ÅKERSTRÖMS Tx700

PROCESSING & MEMORY
- Intel® Mobile Pentium 1.4GHz
- Intel® Mobile Celeron 1.0GHz
- Intel® Mobile Celeron 600MHz
- 512MB or 1024MB DDR RAM

OPERATING SYSTEMS
- Windows® XP Professional MUI
- Windows® XP Embedded

SYSTEM SOFTWARE
- Trux Computer 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

HARD DRIVES
- 40 GB 2.5" (63.5mm) hard disk automotive
- 4 GB compact flash
- 2 GB compact flash (XPE)

ENCLOSURE
- High strength magnesium housing
- Weight: 8.2 lbs. (3.7 kg)
- Dimensions:
  12.2" x 9.8" x 3.5"
  (308 mm x 249 mm x 89 mm)
- Shock-absorbing mounting brackets

INTERFACES
- 2 PC card, type II
- 1 PS/2 keyboard/mouse port
- 2 Serial ports (COM1) and (COM2)
- 1 USB 2.0 port
- 1 Multi-purpose connector (Serial + USB)
- 1 RJ-45 ethernet 10/100
- 1 Audio out (head set)
- 1 Mic in (microphone)

RADIO SUPPORT
- WLAN: 802.11 b/g
- WLAN: 802.11 a/b/g
- WWAN GSM/GPRS Edge
  — HSDPA/HSUPA/UMTS/HCDMA
  — Multiband 850/900/1800/2100 MHz
  — Remote GSM/GPRS antenna included
- Bluetooth®
- WPA or WPA2 security
- Dual diversity external antennas
- Remote mount antenna kits available

DISPLAY & TOUCH SCREEN
- 12.1" (307mm) TFT flat panel SVGA (800X600)
  — Maximum brightness 400 cd/m2
  — Contrast ratio 500:1
- 12.1" (307mm)TFT flat panel, XGA (1024x768)
  — Maximum brightness: 320 cd/m2
  — Contrast ratio 550:1
- Touch screen options:
  Standard, hardened, defroster

GRAPHICS CARD
- Intel® Extreme Graphics 2, 32 MB RAM
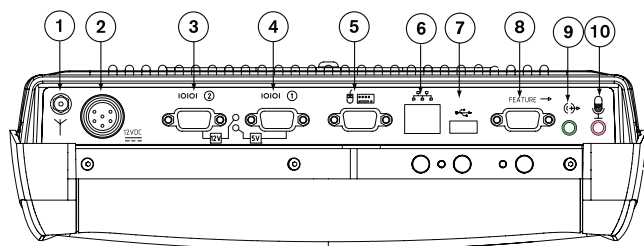
POWER SUPPLY & UPS
- External power supply 10-150VDC
- Integrated Li-ION battery backup
- Integrated backup battery charger

ENVIRONMENTAL
- Operating temperature:
  -22 to +122° F (-30 to +50° C)
- Storage temperature:
  -4 to +122° F (-20 to +50° C)
- Start-up temperature:
  -4 to + 122° F (-20 to +50° C)
- Dust and water protection enclosure rating compliant to IEC 60529 IP54

ACCESSORIES
- Multiple rugged keyboard options
- Fully isolated & protected external power supply
- Multiple RAM Mount mounting options
- Screen blanking box
- Data and adapter cables
- Bar code scanners (tethered & wireless)

1. External Antenna
2. Power supply
3. COM2 (serial port2)
4. COM1 (serial port 1)
5. Keyboard/mouse
6. RJ-45 (LAN)
7. USB 2.0
8. Multi Purpose Connector
9. Stereo out 3.5mm
10. Mic in 3.5mm

ENVIRONMENTAL TESTS

TEMPERATURE RANGE
- Cold: IEC 68-2-1, Test Aa
- Dry heat: IEC 68-2-2, Test Bc
- Change of temperature: IEC 68-2-14
- Test Nb Non-condensing environment

MOISTURE
- Maintain function at 85% relative humidity: IEC 68-2-30, Test Db.
- Upper temperature: +122° F (+50°C)
- Number of cycles: 6
- Each cycle: 24h {12h at +77° F (+25°C) and 12h at +122° F (50°C)}

VIBRATION
- Shall maintain function at random vibrations: EN 60068-2-64
- Test FH
- Range of frequencies: 5 – 500 Hz
- Acceleration: 2g rms
- Number of axes: 3, perpendicular to one another
- Duration: 3 x 1h
- Mode: Operational mode
- Ambient temperature: Room temperature

CONFORMITY
CE, FCC and ETL

BUMP
- Shall maintain function at bump: EN 60068-2-29,
- Test Eb:
  Pulse shape: Half sinus
- Acceleration: 30g
- Pulse duration: 6 ms
- Number of axes: 3, perpendicular to one another
- Directions: 1 per axes
- Number of pulses: 3 x 5000
- Range of frequencies: 1 – 3 Hz
- Mode: Operational mode
- Ambient temperature: Room temperature

LXE®