



Åkerströms Tx800

TRITON

Åkerströms' top-performing Tx800 - Triton PC is a robust IP-65-secured vehicle-mounted mobile computer with a high-performing Intel processor and a 10.4" flat-panel display. Åkerströms developed it for operations that require complete flexibility and need powerful computers to simultaneously run several demanding applications.

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

Åkerströms Tx800 - Triton is our most powerful computer developed to handle extensive, tough treatment in challenging environments.

- High reliability IP-65 security and compact, rugged design
- Built-in support for Bluetooth®, USB 2.0, and onboard speakers
- Ambient-light sensor for automatic display adjustment
- Functions for increased safety and security
- Numerous options and many accessories
- Built-in Li-Po battery
- Barcode wedge for barcode readers



Åkerströms Tx800 - Triton is based on our state-of-the-art Tx700 modular-design architecture, facilitating adaptation to your operational needs. Return on investment is guaranteed as future functions can easily be implemented. Åkerströms Triton is developed and manufactured according to the RoHS directive.

With unsurpassed power and robustness

Åkerströms Tx800 is the most powerful computer in the Trux product range when it comes to performance and functionality. It is equipped with a powerful, energy-efficient Intel processor, a high-brightness screen, many connection possibilities and it is also capable of handling tough treatment in challenging environments.

Åkerströms Tx800 also offers new opportunities for integration with other systems and applications as the unit is equipped with built-in speakers. Built-in Bluetooth support for wireless connections to scanners, printers, headsets, etc is also available as an option.

The possibilities are endless. There are 2 USB 2.0 ports for high-speed data transmission, giving you the possibility to import video from cameras, etc.

Designed for challenging environments

The unit has a shock-resistant magnesium case and sturdy internal components classified for industrial use enabling it to withstand long-term brutal treatment in industrial environments. Extra reinforcement is built into the card and screen holders, cabling, connection ports, 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, bumps, shocks, and vibration.

Service minded

The service lid on the Tx800 makes it very easy to

- Change the hard drive
- Change the battery
- Change the Compact Flash memory
- Reach yet another USB 2.0 port (to boot the PC from USB stick, change firmware, update drivers, etc.)
- Change Mini-PCI card
- Change the PC Card (optional internal slot)

All this can now be carried out without removing the computer from the vehicle or even removing a single cable.

Reliable and safe

Åkerströms Tx800 comes with battery backup and a power-saving function built into the accompanying Trux Computer Manager.

The software can also sense power-supply dips and can, for example, reduce the screen's brightness and shut down the computer after a specified time so user data will not be lost. The screen can be automatically blacked out when the vehicle is moving to prevent the operator from being distracted.

Åkerströms Tx800 is protected against damage from lightning, power surges, and similar accidents through its external power converter.

SPECIFICATIONS/OPTIONS — ÅKERSTRÖMS Tx800

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)

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 and WPA2 security
- Dual diversity external antennas
- Remote mount antenna kits available

GRAPHICS CARD

- Intel® Extreme Graphics 2, 32 MB RAM

DISPLAY & TOUCH SCREEN

- 10.4" (264mm) TFT flat panel, SVGA (800x600)
 - Maximum brightness: 400 cd/m²
 - Contrast ratio 500:1
- Light sensor for automatic display adjustment
- Touch screen options: Standard, Hardened, Defroster

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, 1 USB 2.0, 1 PC Card

ENCLOSURE

- High strength magnesium housing
- Weight: 7.7 lbs. (2.9 kg)
- Dimensions: 11" x 9" x 3" (279mm x 229mm x 77mm)
- Shock-absorbing mounting brackets

POWER SUPPLY & UPS

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

ENVIRONMENTAL

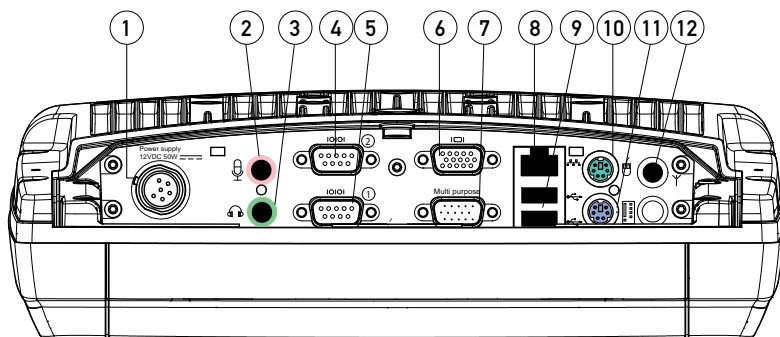
- Operating temperature: -22 to +122° F (-30 to +50° C)
- Storage temperature: -4 to +122° F (-20 to +50° C)
- Start-up temperature: -4 to + 122° F (-20 to +50° C)
- Dust and water protection enclosure rating compliant to IEC 60529 IP65

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)

APPROVALS

- Degree of protection: IEC 60529 (IP65) Rated
- 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



INTERFACES ÅKERSTRÖMS TX800

1. Power supply
2. Mic in 3,5 mm
3. Stereo out 3,5 mm
4. COM2 (serial port 2)
5. COM1 (serial port 1)
6. VGA
7. Multi Purpose connector (USB 2.0, RS232)
8. RJ-45 (LAN)
9. 2x USB 2.0 connectors
10. Mouse (PS/2)
11. Keyboard (PS/2)
12. Bluetooth antenna



THE SERVICE LID

1. USB2.0 port
2. Hard drive
3. Compact flash slot (behind HD cable)
4. Battery
5. Mini-PCI slot
6. PC Card slot (optional)

