



Åkerströms Tx800

TRITON

Åkerströms' top-performing Tx800 - Triton PC is a robust IP65-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 is built to handle the toughest treatment in harsh environments exposed to dust, shock, vibration, moisture, 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 IP65 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
- WLinQ for barcode readers, etc.



Ver. 1.1 Aug 2007

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 additional extra.

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.

Serviceminded

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 back-up 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 TRITON

OPERATING SYSTEM

Windows XP Embedded
Windows XP Professional MUI

PROCESSOR AND RAM

Intel Pentium M 1,4GHz, 1024MB DDR
Intel Pentium M 1,4GHz, 512MB DDR
Intel Celeron M 1,0GHz, 1024MB DDR
Intel Celeron M 1,0GHz, 512MB DDR
Intel Celeron M 600MHz, 1024MB DDR
Intel Celeron M 600MHz, 512MB DDR

DISPLAY

10.4" TFT Flat Panel SVGA (800X600)
Maximum brightness: 400 cd/m²
Contrast ratio: 500:1
Light sensor for automatic display adjustment *

GRAPHICS CARD

Intel Extreme Graphics 2,
maximum 32 MB VRAM

STORAGE

40 GB 2,5" automotive hard disk
4 GB compact flash (XPP)
2 GB compact flash (XPE)

COMMUNICATION

LAN: Ethernet
WLAN: 802.11 a/b/g (h) *
Short distance: Bluetooth
Wide area: GPRS/EDGE/WCDMA

PORTS

2 PS/2 ports, 1 keyboard and 1 mouse (with strain relief)
2 serial ports, COM1 and COM2 support 5V or 12V to external units
2 USB 2.0 ports (with strain relief)
1 Multipurpose connector (USB 2.0, RS232)
1 VGA connector
1 RJ-45 Ethernet 10/100

1 Audio Out (Head Set)
1 Mic In (microphone)
Onboard speakers (on front)

INTERNAL SLOTS

2 Mini-PCI
1 USB 2.0
1 PC Card (optional)

ANTENNA

Dual band (2.4 and 5 GHz)
Chassis mounted
Vehicle mounted
External antenna socket
Diversity

PHYSICAL

Magnesium housing
Weight: 2.9 kg (7.7 pounds)
Dimensions: 279 mm x 229 mm x 77 mm
(11.0 x 9.0 x 3.0 inches)
Shock-absorbing mounting brackets

POWER

12VDC, ± 10%,
Integrated Li-Po battery *
Integrated battery charger

COOLING

Passive cooling

PRE-INSTALLED SOFTWARE

Trux Computer Manager
Citrix client
Windows Terminal Services
WLinq

TEMPERATURE RANGES

Storage temperature: -30 to +50 °C
(-22 to +122 °F)
Operating temperature: -20 to +50 °C
(-4 to +122 °F)

Start-up temperature: -20 to +50 °C
(-4 to +122 °F)

INCLUDED IN THE PACKAGE:

Installation guide
Product manual
Power cable
CD with manuals and drivers

OPTIONS

Flash disk
Bluetooth
Defroster Touch panel
Hardened Touch panel

ENVIRONMENTAL TESTS:

DEGREES 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.

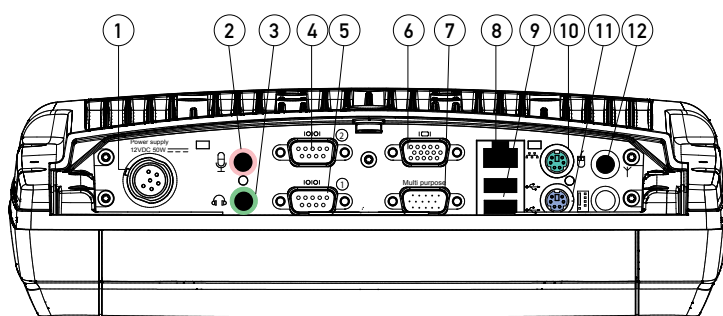
MECHANICAL

Vibration:
According to IEC 60068-2-64, Test Fh
Bump:
According to IEC 60068-2-29, Test Eb

CONFORMITY

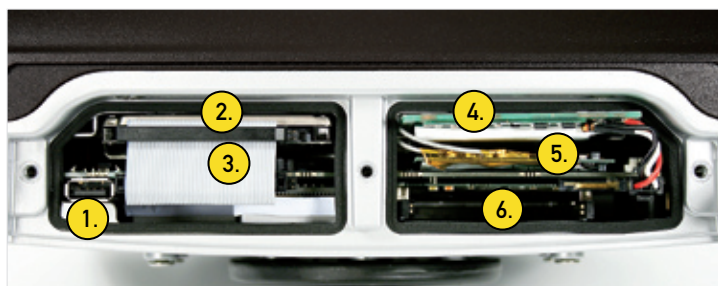
CE, FCC, and ETL

* New feature



INTERFACES ÅKERSTRÖMS TX800

- | | |
|--|--------------------------|
| 1. Power supply | 8. RJ-45 (LAN) |
| 2. Mic in 3.5 mm | 9. 2x USB 2.0 connectors |
| 3. Stereo out 3.5 mm | 10. Mouse connector |
| 4. COM2 (serial port 2) | 11. Keyboard connector |
| 5. COM1 (serial port1) | 12. Bluetooth antenna |
| 6. VGA | |
| 7. Multi Purpose Connector
(USB 2.0, RS232) | |



THE SERVICE LID

1. USB 2.0 port
2. Hard drive
3. Compact flash slot (behind HD cable)
4. Battery
5. Mini-PCI slot
6. PC Card slot (optional)



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