



# Åkerströms Tx700

Windows XPP / XPE / 2000

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
- Light-weight 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 handling 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 from 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 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

## OPERATING SYSTEM

Windows 2000 Professional  
Windows XP Professional MUI  
Windows XP Embedded

## PROCESSOR

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

12,1" TFT Flat Panel SVGA (800X600)  
Maximum brightness 400 cd/m2  
Contrast Ratio 500:1

12,1" TFT Flat Panel, XGA (1024x768)  
Maximum brightness: 320 cd/m2  
Contrast Ratio 550:1

## GRAPHICS CARD

Intel Extreme Graphics 2,  
maximum 32 MB RAM

## STORAGE

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

## COMMUNICATION

LAN: Ethernet  
WLAN: 802.11 b/g

Short distance: Bluetooth  
Wide area: GPRS/EDGE/WCDMA

## PORTS

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  
1 RJ-45 Ethernet 10/100  
1 Audio Out (Head Set)  
1 Mic In (microphone)

## ANTENNA

Chassis mounted  
Vehicle mounted  
External antenna socket  
Option for diversity

## ENCAPSULATION

Magnesium housing  
Weight: 3.7 kg (8.2 pounds)  
Dimensions:  
308 mm x 249 mm x 89 mm  
(12.1 x 9.8 x 3.5 inches)  
Shock-absorbing mounting brackets

## POWER

12 VDC  $\pm$  10%,  
Integrated Li ION battery  
Integrated battery charger

## COOLING

Passive cooling

## PRE-INSTALLED SOFTWARE

Trux Computer Manager  
Citrix client  
Windows Terminal Services  
FreeFloat Terminal Emulator  
(licence key required)

## TEMPERATURE RANGES

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

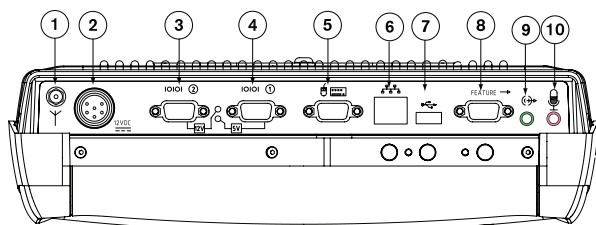
## INCLUDED IN THE PACKAGE:

Installation guide  
Product manual  
Power cable  
Keyboard adapter  
CD with manuals and drivers

## OPTIONS

Flash disk  
Bluetooth  
Defroster  
Hardened Touch panel

## INTERFACES ÅKERSTRÖMS TX700



- |                         |                            |
|-------------------------|----------------------------|
| 1. External Antenna     | 6. RJ-45 (LAN)             |
| 2. Power supply         | 7. USB 2.0                 |
| 3. COM2 (serial port 2) | 8. Multi Purpose Connector |
| 4. COM1 (serial port 1) | 9. Stereo out 3.5mm        |
| 5. Keyboard/mouse       | 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: +50°C (+122° F)  
Number of cycles: 6  
Each cycle: 24h (12h at +25°C (+77° F)  
and 12h at 50°C (+122° F))

### 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

### 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

### CONFORMITY

CE, FCC and ETL

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