

Åkerströms Tx700 Wireless Client Terminal

Åkerströms' Tx700 Wireless Client Terminal is developed for companies that have stringent safety demands and want genuine, robust, thin clients to run various client/server applications. The Tx700 Wireless Client Terminal is designed to tolerate tough treatment when used in production plants and warehouses exposed to dust, shock, vibrations, humidity, and extreme temperatures.

Åkerströms Tx700 Wireless Client Terminal is based on a totally new modular-design architecture, making it easy to adapt to your operation's needs. Return on investment is assured through easy implementation of future functionality.

A safe, customized client

The Wireless Client Terminal is a robust client, adapted for client/server environments. It comes with Windows XP Embedded, or Windows CE, which enable total control of the user environment. Users only have access to functions they need for doing their jobs. The Wireless Client Terminal comes in various configurations to meet your requirements. You select processor and primary memory—based on the applications that will be run. The screen, which is equipped with touch functionality, comes in different resolutions and light intensity depending on how and where the computer will be used. A flash disk is used for storage. Various accessories are connected via the many easily accessible connection options: wireless or USB, serial port, PC card, or Ethernet.

Created for tough environments

Åkerströms Tx700 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

WIRELESS CLIENT TERMINAL

- High security by limited user access
- Extremely reliable in tough environments
- Customized for client-server solutions
- Compact and robust design
- Functions for increased safety
- Extremely light magnesium case
- Wide range of options and accessories



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

Åkerströms Tx700 is developed to tolerate brutal treatment in industrial environments.

SPECIFICATIONS/OPTIONS ÅKERSTRÖMS TX700 WIRELESS CLIENT TERMINAL

OPERATING SYSTEM

Windows XP Embedded
Windows CE

PROCESSOR

Intel Celeron M 600MHz, 512 MB DDR (XPE)
Intel Celeron 400MHz*, 128 MB SDR (CE)

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
VIA Twister S3

STORAGE

1 GB Compact flash (XPE)
64 MB Compact flash (CE)

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 (XPE)
1 USB 1.1 port (CE)
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:
307 mm x 248 mm x 75 mm
(12.1 x 9.8 x 2.9 inches)
Shock-absorbing mounting brackets

POWER

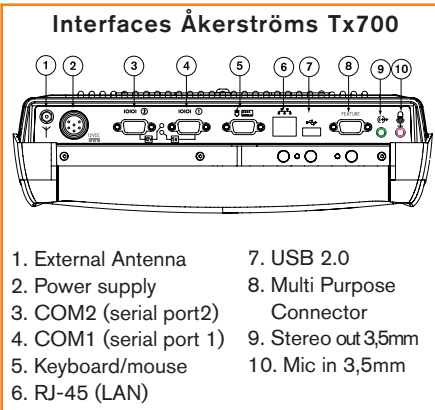
13,2 VDC, 4A
Integrated Li ION battery
Integrated battery charger

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

Bluetooth
Defroster
Hardened Touch panel

* Based on Win CE, supports USB 1.1,
Bluetooth or GPRS/EDGE/WCDMA not supported

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 60068-2-6,
Test Fc:
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

The information in this document is subject to change without notice