Termtek

A Professional Thin Client Solution Provider

TK-3800 CE6.0/LX/XPe

The First Intel Atom Thin Client in the World

The First Fanless Intel Atom Thin Client in the World

TK-3800 is based on the Intel Atom platform and the first one fanless thin client in the world. TK-3800 is designed to integrate the newest Intel Atom N270 QS 1.6GHz and 945GSE chipset that is the lowest consumption (20W). TK-3800 breaks the application boundary of traditional application of Intel to go into the thin client. It will go with the Termtek latest Linux image with Ubuntu 7.10 and Win CE image with 6.0 R2 version to offer your completed integrated thin client solution.

Dual display screen support: VGA& DVI

TK-3800 have the wider view on your site equipped with the VGA and DVI connector. You have two screens at the same time for your special requirements or Digital Signage application. You don't need to buy two clients to fulfill with your function and save your money.

Additional slots support: (Option)
Wireless LAN, Smart Card.

TK-3800 supports internal USB 2.0 wireless module, and is compatible with IEEE802.11 b/g wireless connection. For users looking for higher security, TK-3800 is even equipped with a smart card slot as an optional function.

CPU Type	Intel Atom N270 QS
Processor speed	1.6 GHz
Chipsets	945GSE+ICH7M
Operating system	Microsoft Windows CE 6.0 R2 Linux Kernel 2.6 Microsoft Windows XPe SP2
Browser	IE 6.0 for CE6.0, IE7.0 for XPe Firefox 1.5 for LX
Compact Flash memory (standard)	256MB for CE6.0 512MB for LX 512MB for XPe (expandable to 8GB)
RAM (standard)	256MB DDRII(400/533) for CE6.0 512MB DDRII for LX 512MB DDRII for XPe (expandable to 2GB for CE, Linux, XPe) (expandable to 512MB for CE)
I/O Ports	1 x VGA video output, 1 x DVI-D video output, 8 x USB 2.0(6x External and 2x Internal), 1 x RJ-45 1 x MIC in, 1 x Line out
Standard Option	● Metal mounting bracket for VESA ● Internal USB 802.11b/g/n Wireless LAN module Smart Card Reader Kit
Manageability software	Remote Management 6.0 SP1
Protocols	MS RDP 6.0, ICA 10.0 for XPe MS RDP 6.0, ICA 10.08 for CE6.0 R2 rdesktop 1.6.0, ICA 10.6 for LX Terminal Emulation (Default for CE/LX and optional for XPe)
Dimensions	208mm(L) x 180mm(W) x 43mm(H)

TK-3800 CE6.0/LX/XPe

Termtek   TERMTEK COMPUTER CO.,LTD.

www.termtek.com.tw

HARDWARE

CPU

Intel Atom N270 QS 1.6GHz (Fanless)

RAM

So-DIMM Slot x2
256MB for CE6.0
512MB for Linux
512MB for XPe
(expandable to 2GB for Linux, XPe)
(expandable to 512MB for CE)

Compact Flash Memory

256MB CF for CE
512MB CF for Linux
512MB CF for Xpe
(expandable to 8GB)

Display

VGA & DVI Both Supported (Dual & Extend Screen)

● Resolution

1600x1200 , up to 75Hz
1280x1024 , up to 75Hz
1024x768, up to 75Hz
800x600, up to 75Hz
640x480 up to 75Hz

● Video Memory

Share System memory 32MB(Default) to 128MB

● Audio

Output: High definition codec compatible
(MIC-IN, Line-Out),1/8-inch full
16 bit stereo FM synthesis

Input/Output/Peripheral

One analog VGA video output, DB-15 connector,
One DVI-D Connector,
Six external USB 2.0 ports (for floppy disk drive, mouse,
CD-ROM, hard-drive, etc.) and two internal USB 2.0 (1x
Smart Card Reader, 1x internal wireless module)

Networking

RTL 8110SC 10/100/1000 Mbps(RJ-45)

Expandable Options

Metal mounting bracket for VESA
Internal USB 802.11b/g Wireless LAN module
Smart Card Reader Kit
Internal SATA H.D.D Kit

SOFTWARE

Operating System

Microsoft Windows CE 6.0 R2, XPe SP2 and Linux Kernel 2.6

Software Feature

● CE 6.0 R2

Citrix ICA 10.08, MS RDP6.0, MS IE 6.0, JAVAScript5.6,
VBScript5.6, Windows Media Player 9.0, MPEG-2 and MP3
supported
TCP/IP with DNS, WINS, PPP, DHCP and PPPoE, PXE, RAS,
VPN, WLAN, SNMP Agent and SNMP MIB II, SNTP
USB devices supported (Support USB, Floppy, CDROM,
HDD, Smart Card Reader), USB External storage supported
and sharing
Thin Print supported, LPD supported, Go-Global3.20, VNC
TK-Emulation, TK-RM Agent
Office viewer, PDF viewer,
Image Update & Backup, User Security control.

● XP Embedded (service pack 2)

1 GB Standard Package
MS RDP6.0, Citrix ICA 10.0
Microsoft Internet Explorer 7.0, Macromedia Flash Player
9.0
EWF support, DUA(Device Update Agent), PNAgent 10.0
TCP/IP with DNS, WINS, PPP, DHCP and PPPoE, PXE
USB devices support (Support USB Floppy, CDROM, HDD,
Smart Card Reader), USB Printer Support, USB Audio
support,
Modem support, TCP/IP Utilities, VNC
Map Network storage function,
Sun J2RE 1.4.1, Windows Media player 11.0, DirectX 9.0,
Wordpad, Calc, Notepad, Mspaint, Network Printer (TCP/IP
port),Firewall (include file sharing)
MDAC (include Jet Database Engine), Acrobat PDF reader,
Cyber Link Power DVD Player 8.0(Optional)

● Linux Embedded

rdesktop 1.6.0, Citrix ICA 10.6, X11(XDMCP), VNC, NX
Client, Go-Global Client
Firefox Browser 3.0 (Browser Plug-in: Sun Java 1.6, Macro-
media Flash
Player 10, Acrobat PDF Reader 8.0, Real Player 11)
TCP/IP with DNS, WINS, PPP, DHCP and PPPoE, PXE,
VPN,WLAN, SSH
TK-Emulation, TK-RM Agent Samba/NFS File System
Support, USB External Storage Support and Sharing
LPR/LPD and CUPS Print Support, Samba Print Support
COM Port Redirect,Password-Protected Setup, USB Security
Manager
Compressed Read-only File System for system space,
Desktop Mode, ,
support Add/remove ,Component Update , System Restore
& backup, EWF support, User Security control

Terminal Emulation(Default for CE/LX and optional for XPe)

ASCII/ANSI Emulation
SCO Console ANSI
DEC VT420/320/220/100/52
Wyse 325/120/60/50+
TVI 925/910, ADDS A2
IBM Emulation
TN5250(E), TN3270(E)

Server O.S. Support

RDP:
Windows 2008 Server
Windows Vista + RDP Service
Windows 2003 Server Family + RDP service
Windows XP Pro + RDP service
Windows 2000 Server Family
Windows NT Server 4.0 + TSE
ICA:
Citrix MetaFrame Presentation Server
Citrix MetaFrame XP + Windows 2003 Server Family
Citrix MetaFrame XP + Windows 2000 Server Family
Citrix MetaFrame + Windows NT Server 4.0 + TSE

Setup and Configuration

Local power-on boot.
Configurable automatic login
Multi-language keyboard support
Multiple auto-startup
Reconnection

Remote Management

FTP update, Wake on LAN, Remote shut down,
Scheduling (wakeup, shut down, reboot, FTP update),
remote configuration, Config data distribution,
XPe recover and backup, grouping, VNC

Temperature

Operating: 5℃ to 40℃
Storage: -40℃ to 60℃
Convection cooling, fanless.

Relative Humidity

10% to 90% non-condensing.
Operating altitude range from 0 to
10,000 feet (0 to 3050 meters)

Power Requirement

100-240V, 50/60Hz

Regulatory Compliance

Emissions FCC Class B, TUV, UL/CUL,
CE, BSMI, C-TICK, CB , VCCI

ENVIRONMENT DIMENSIONS AND WEIGHT

Terminal box

208mm(L) x 180mm(W) x 43mm(H)
NW: 1 kg

Packing with Gift Box

363 mm (L) x226 mm (w) x90 mm (H)
NW: 1.4KG; GW: 1.9KG

Packing with Carton

Full carton: 5 pcs/CTN
473 mm (L) x376 mm (w) x245 mm (H)
NW: 9.5KG; GW: 10.5KG

TK-3800 CE6.0/LX/XPe
The First Intel Atom Thin Client in the World