

## JRC TK-3772



## Eco-friendly thin client appliances



### Powerful, energy saving, multiple display support and expandability

**JRC TK-3772** thin client is powerful yet easy to install and use. The thin client is a secured network device that System Administrators control what connections, applications, and data access are allowed to centralized servers where they reside, which prevents data theft. With typical power consumption of 12-15 watts, compared to a desktop PC usually 4-5 times greater, the thin client presents an energy saving, eco-friendly alternative. The movable foot stand makes the thin client flexible in various positions including vertical, horizontal and LCD panel mount with the optional VESA mounting kit with the look of an ALL-IN-ONE.

The JRC TK-3772 design allows for expandability from the standard dual screen display with the VGA and DVI ports to 6 displays with the optional PCI riser card and video controller (XPe). Internal Smart Card reader, wireless 802.11 b/g USB 2.0 module, and 2-1/2" IDE/SATA Hard Disk Drive kit are also available.

Key features of the JRC TK-3772 hardware platform are the VIA CN700 chipset, DDRII 667MHz RAM, six USB 2.0 ports (two - front, four-rear), VGA/DVI ports, and RTL 8110SC 10/100/1000 Mbps networking RG45 port which bring excellent system performance and functionality. Long term reliability and quiet operation is achieved by no moving parts or fans, and the thin client is backed by a 3 year warranty. Embedded OS support includes Win CE, Linux and Win XPE. With the Remote Management software, managing multiple thin clients is a snap.

CPU Type	VIA Eden V4
Processor speed	1.2 GHz
Chipsets	CN700 and VT8237R+
Operating system	Microsoft Windows CE 6.0 Linux Kernel 2.6 (LX) 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 256MB for LX 512MB for XPe (expandable to 8GB for XPe)
RAM (standard)	256MB DDRII for CE6.0 256MB DDRII for LX 512MB DDRII for XPe (expandable to 1GB for CE, Linux, XPe)
I/O Ports	1 x Serial, 1 x Parallel, 1 x VGA video output, 1 x DVI-D, 1 x PCI 2 x SATA(1x External SATA and 1x Internal SATA), 6 x USB 2.0, 2 x PS/2 ports, 1 X RJ-45
Standard Option	<ul style="list-style-type: none"><li>● Metal mounting bracket for VESA</li><li>● Internal USB 802.11b/g Wireless LAN module</li><li>● Smart Card Reader Kit</li><li>● Internal IDE H.D.D Kit</li><li>● Internal SATA H.D.D Kit</li><li>● PCI riser card Kit</li></ul>
Manageability software	Remote Management 6.0 SP1
Protocols	MS RDP 5.2, ICA 10.0 for CE6.0 MS RDP 6.0, ICA 10.0 for XPe Rdesktop 1.5.0, ICA 10.6 for LX Terminal Emulation (Default for CE/LX and optional for XPe)
Dimensions	251mm(L)x214mm(W)x55mm(H) weight: 1.6 kg

## JRC Technologies

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# JRC TK-3772 CE6.0/LX/XPe Specification

## HARDWARE

### **CPU**

VIA Eden V4 1.2GHz (fan-less)

### **RAM**

256MB for CE6.0

256MB/256MB for Linux

512MB for XPe

(expandable to 1GB for CE,LX,XPe)

### **Chip Set / South Bridge**

CN 700 / VIA VT8237R+

### **Compact Flash Memory**

256MB CF for CE

256MB CF for Linux

512MB CF for XPe

(expandable to 8GB for XPe)

### **Display – Resolution (max)**

1680x1050x24 bit 60Hz(LX)

1920x1200x32 bit up to 85Hz (CE,XPe)

(LX Supports only 24-bit true color)

### **Video Memory**

Shared System memory 8MB to 64MB

AGP 8x performance

### **Audio**

Output: AC-97 2.2 CODEC compatible (Mic-In, Line-Out), 1/8-inch full, 16 bit stereo FM synthesis

Input: 1/8-inch 8 bit mini microphone

### **I nput/Output/Peripheral**

One Com port, DB9 M connector

Two PS/2 ports for mouse and keyboard

One analog VGA video output, DB-15 connector

One DVI connector - Digital only video output

Six USB 2.0 ports(two-front, 4-rear)

2-Sata (1-internal, 1-external)

Parallel port

### **Networking**

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

### **Expandable Options**

Internal USB 802.11b/g Wireless LAN module

SmartCard Reader

Internal IDE HDD kit

Internal SATA HDD kit

PCI Riser card kit

### **Housing**

Plastic case

## SOFTWARE

### **Operating System**

Microsoft Windows CE 6.0, XPe SP2 and Linux Kernel 2.6

### **Software Feature**

#### **CE 6.0**

MS RDP5.2, Citrix ICA 10.08

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-Floppy, CDROM, HDD, external storage supported and sharing

Thin Print supported, LPD supported,

Go-Global (optional), VNC

TK-Emulation, TK-RM Agent

Office viewer, PDF viewer, Image Update & Backup, User Security control

Smart Card

#### **XP Embedded (service pack 2)**

512 MB Standard Package

MS RDP6.0, Citrix ICA 10.0

Microsoft Internet Explorer 7.0, Windows Media Player 6.4, Macromedia Flash Player 9.0

EFW support, DUA(Device Update Agent), PNAgent 10.0

TCP/IP with DNS, WINS, PPP, DHCP and PPPoE, PXE

USB devices support-Floppy, CDROM, HDD,

USB Printer Support, USB Audio support

Modem support, TCP/IP Utilities, VNC

Map Network storage function,

Sun J2RE 1.4.1, Windows Media player 10.0,

DirectX 9.0, Wordpad, Calc, Notepad,

Mspaint, Network Printer (TCP/IP

port),Firewall (include file sharing)

MDAC (include Jet Database Engine),

Acrobat PDF reader (Optional)

#### **Linux Embedded**

rdesktop 1.5.0, Citrix ICA 10.6,

X11(XDMCP), VNC, NX Client, Tarantella,

Go-Global Client (optional)

Firefox Browser 1.5 (Browser Plug-in: Sun

Java 1.4.2, Macromedia Flash Player 7.0,

Acrobat PDF Reader 5.09, Real Player 10.0 )

TCP/IP with DNS, WINS, PPP, DHCP and

PPPoE, PXE, RAS, VPN, WLAN, SNMP Agent

and SNMP MIB II, Sntp, SSH

TK-Emulation, TK-RM Agent Samba/NFS File

System Support, USB External Storage

Support and Sharing

LPR/LPD Print Support, Samba Print

Support, Thin Print Support

COM and Parallel Port TCP/IP Redirect,

Password-Protected Setup, USB Security

Manager

Compressed Read-only File System, Desktop

Mode

### **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 2003 Server Family + RDP service

Windows XP Pro + RDP service

Windows 2000 Server Family

Windows NT Server 4.0 + TSE

ICA:

Citrix MetaFrame XP+Windows2003

Server Family

Citrix MetaFrame XP + Windows2000

Server Family

Citrix MetaFrame+Windows NT

Server4.0+TSE

### **Setup and Configuration**

Local power-on boot, PXE boot

Configurable automatic login

Multi-language keyboard support

Multiple auto-startup

Reconnection

### **Remote Management**

FTP update, Wake on LAN, Remote

shut down,

Schedule (wake up, shut down,

reboot, FTP update),

remote configuration, Config data

distribution,

XPe recover and backup, grouping,

VNC

## ENVIRONMENT

### **Temperature**

Operating: 5° to 40° C (41 to 104° F)

Storage: -40° to 60° C (-40 to 140° F)

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**

DC 12V/5A external power adapter

### **Regulatory Compliance**

Emissions FCC Class B, TUV, UL/CUL,

CE, BSMI, C-TICK, CB , VCCI

## DIMENSIONS AND WEIGHT

### **Terminal box**

251mm(L) x 214mm(W)x 55mm(H)

NW: 0.6kg

### **Packing with Gift Box**

290mm(L)x 292mm(W)x 100mm(H)

NW: 2.3kg, GW:2.8kg

### **Packing with Carton**

Full carton: 5pcs/CTN

515mm(L)x 403mm(W)x 313mm (H)

NW: 14kg, GW: 15 kg



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