

E - S E R I E S



Model: E12-A100

Key Features

- Compact Thin Client Design
- Small Form Factor Offers Space Saving Advantage
- VIA® Eden V4, 1.2 Ghz CPU
- VIA® CN700 Chipset
- Supports up to 1 GB DDR2
- Maximum 8 GB Flash Storage Memory
- Built-In Dual Video Support
- 16 Bit Stereo FM Audio
- Six High-Speed USB 2.0 Ports (2 Front, 4 Rear)
- Gigabit LAN
- Built-In Smart Card Reader Option
- Built-In Wireless Option
- VESA-Mount Option
- CE/UL/FCC Compliant

The E-Series is a powerful tour de force, a feature-packed yet affordable thin-client that is one of the fastest in the industry. Powered by the VIA® Eden V4 1.2 GHz CPU and CN700 chipset, E-Series provides outstanding performance for mainstream digital media and productivity applications. With dual video support (VGA & DVI) as a standard feature, E-Series enables users to extend their desktop workspace. The E-Series' performance, Gigabit LAN and add-on options allows it to be used as the desktop replacement device for Streaming OS solutions, yet its fanless design reduces the heat, noise and power consumption traditionally associated with desktop PCs. The E-Series has both USB and PS2 ports for government agencies that need to use multiple devices with an approved KVM switch. The E-Series also offers both vertical and horizontal profiles. If you are looking for a powerful thin-client with versatile I/O support, the NCS E-Series is the optimal choice.



Model: E12-A100

E-Series Thin Client

Processor

VIA® Eden V4 CPU 1.2 Ghz (fanless cooling design)

Chipset

VIA® CN700

System Memory (Single Slot)

Supports DDR2 667 MHz SDRAM (up to 1 GB)

Minimum 128 MB for CE

Minimum 128 MB / 256 MB for Linux

Minimum 512 MB for XPe (expandable to 1 GB)

Integrated Flash Storage

128 MB Flash Memory Module for CE

128 MB Flash Memory Module for Linux

1GB Flash Memory Module for XPe (Expandable to 8GB)

Device Management

RM: Remote Management Software

Integrated Audio

AC97 2.0 Codec Compatible

Output: 1/8-inch Full 16 bit Stereo FM Synthesis

Input: 1/8-inch Mini Microphone

Integrated LAN

RealTek RTL8110SC: Gigabit LAN 10/100/1000 Mbps, One RJ-45 Connector

Optional Internal USB 802.11b/g Wireless Lan

Integrated Video

CN700 with Integrated AGP 8x Graphics Core using VIA® Unichrome Pro Graphics

VGA Controller CRT/DVI-D Both Supported (Dual Screen)

Analog VGA Video Output (DB-15)

Digital Video Output Only (via the DVI Port)

Shared System Memory 16 MB to 64 MB

Supports Resolutions of:

1600x1200 32-bit true color, 85 Hz (CE)

1600x1200 16-bit high color, 75 Hz (Linux)

1600x1200 32-bit true color, 85 Hz (XPe)

1280x1024 32-bit true color, up to 85 Hz (XPe,CE,Linux)

1024x768 32-bit true color, up to 85 Hz (XPe,CE,Linux)

800x600 32-bit true color, up to 85 Hz (XPe,CE,Linux)

640x480 32-bit true color, up to 85 Hz (XPe,CE,Linux)

(Linux only supports up to 24-bit true color)

Integrated Super I/O

One PS/2 Keyboard Port and One PS/2 Mouse Port

Six USB 2.0 ports (two at front, four at back)

One Serial Port and One Parallel Port

Two SATA Connectors

Built-In Smart Card Reader

Expansion Slots

One PCI Slot (32-bit) Accessed via a PCI Riser Card

Integrated IDE

Two IDE connectors Supporting Two IDE devices

Supports ATA-33/66/100/133 IDE Devices (2.5" HDD or DOM)

Bus Architecture

32-bit PCI

Dimensions (d) x (w) x (h) mm/inch

214 x 54.6 x 251 / 9.875 x 2.25 x 1.6

Environmental

Operating Temperature

0° to 40° C / 32° to 104° F

Storage Temperature

-40° to 60° C / -40° to 140° F

Relative Humidity

10-90% Non-Condensing RH

Operating Altitude

Range from 0-3050 m (0-10000 feet)

Power Requirements

External AC Adapter Provided 100-240 VAC, 50-60 Hz 1.7 A

DC Power Requirements: 12V, 5A (External Power Adaptor)

Software

O/S Options: Microsoft Windows CE 6.0, XPe SP2 and Linux Kernel 2.4.31

WinCE

MS RDP, Citrix ICA

DNS, DHCP, PPP, WINS, RAS, VPN, RMS Agent, SNMP Agent & SNMP MIB II,

PPoE, MS IE 6.0 Supported

Windows Media Player 9.0 Support

MPEG-4 and MP3, Thin Print Support

LPD Support

USB External Storage Support and Sharing

XP Embedded

MS RDP, Citrix ICA

Microsoft Internet Explorer 6.0

Windows Media Player 6.4, Macromedia Flash Player 7.0, MSJVM,

EWf Support, Ramdisk, USB Printer Support,

Modem Support Map Network Storage Function PNAgent 8.1, TCP/IP Utilities

USB Devices Support (supports USB Floppy, CD-ROM, HDD), USB Audio Support,

System Recovery, VNC

Linux Embedded (Kernel Version 2.4.31)

MS RDP 1.4.1, Citrix ICA 9.0, X11 (XD MCP)

Firefox 1.07, VNC Viewer, Samba Print

Browser Plug-in: Sun Java 1.4.2

Macromedia Flash Player 7.0, Acrobat PDF Reader 5.09 (128 MB only)

Real Player 10.0 (128 MB only)

NX Client, SSH, Tarantella, K-Phone (128 MB only),

TCP/IP with DNS, DHCP

Password-Protected Setup

Compressed Read-Only File System

Samba/NFS File System Support

LPR/LPD Ghostscript Print Support, Thin Print Support

USB External Storage Support & Sharing

Desktop Mode

Terminal Emulation (Optional for XPe)

ASCII/ANSI Emulation

SCO Console ANSI

DEC VT420/320/220/100/52

Wyse 325/120/60/50+

TV1 925/910, ADDS A2

IBM Emulation

TN5250(E), TN 3270(E)

Setup and Configuration

Local Power-on Boot, Simple Start-up Wizard, Configurable Automatic Login,

Multi-language Keyboard Support, Multiple Auto-Startup, Reconnection

Remote Management Software

FTP Update, Wake on LAN, Remote Shutdown, Schedule (wake up, shut down,

reboot, FTP update), Remote Configuration, Config Data Distribution,

XPe Recover and Backup, Grouping, VNC and much more.

Regulatory & Product Certifications

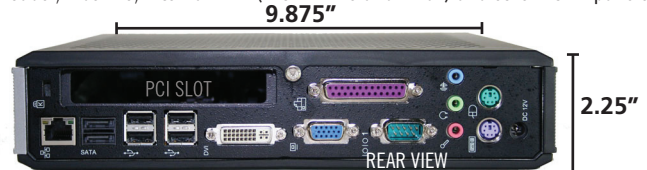
EMI/RFI: FCC Declaration of Conformity (DoC)

Safety: Underwriter Laboratories (UL) 60950, 3rd Edition, CE

Options

Internal Wireless, Metal Mounting Kit (VESA Standard), Smart Card

Reader, FiberNic, Internal HDD (with XP Pro and Linux) and other PCI Expansion Options



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