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

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 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 (0-1000 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 RD, 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
- LPO Support
- USB External Storage Support and Sharing

XP Embedded
- MS RD, Citrix ICA
- Microsoft Internet Explorer 6.0
- Windows Media Player 6.4, Macromedia Flash Player 7.0, MSJVM,
- EWF Support, Ramdisk, USB Printer Support,
- Modern 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 RD 1.4.1, Citrix ICA 9.0, X11 (XD MCPP)
- 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
- Windows Media Player 9.0 Support
- PPoE, MS IE 6.0 Supported

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