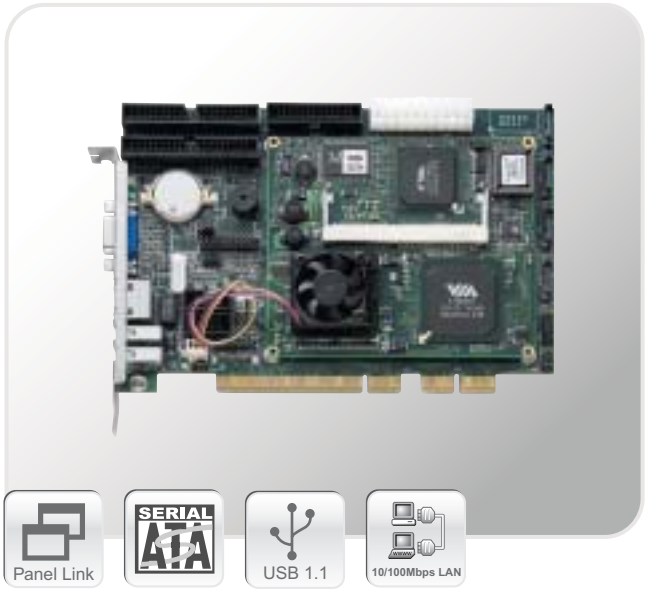
NuPRO-795 Series

Half-Size VIA Eden ESP SBC with VGA/LAN/USB/Four S-ATA



Features

- *VIA Eden ESP CPU with 133MHz FSB and 64KB L2 cache*
- *VIA PLE133T chipsets with VT8601T and VT82C686B*
- *Maximum 512MB PC133 SO-DIMM*
- *Two ATA-100, four SATA-150 supporting RAID*
- *VGA, Ethernet, four USB 1.1, AC97, & WDT*
- *ATX power connector for backplane-less application*

Ordering Information

NuPRO-795S-800	Half Size Eden CPU card, w/ Eden ESP8000 CPU, SATA
NuPRO-795S-1G	Half Size Eden CPU card, w/ Eden ESP1000 CPU, SATA
NuPRO-795-800	Half Size Eden CPU card, w/ Eden ESP8000 CPU w/o SATA
NuPRO-795-1G	Half Size Eden CPU card, w/ Eden ESP10000 CPU w/o SATA

Recommended Chassis

Chassis/Sub-system	Description/Configuration
RK-604A	4-slot Wallmount Compact Size Chassis for Half-size SBC
RK-606FC	6-slot Wallmount Chassis
ALS-130	1U Network Appliance

Backplane Compatibility

Model Number	Recommended Backplanes
HPM-4S	One PCI system slot, three PCI-33 peripheral slots
HPM-5S	One PCI system slot, four PCI-33 peripheral slots

Specifications

CPU / Core Logic

CPU	Embedded VIA Eden processor
	ESP4000 at 400MHz
	ESP6000 at 667MHz
	ESP8000 at 800MHz
	ESP10000 at 1GHz
	On-die, 64KB L2 cache
FSB	133MHz
Chipset	VIA Apollo PLE133T with VT8601T and VT82C686B
RAM	144-pin SODIMM socket for up 512MB PC100/133 non-ECC SDRAM
BIOS	Award 4Mb flash memory

Bus

Bus	PCI Bus complaint with PCI v2.2

I/O Interfaces

IDE	Dual channels and up to 4 ATAPI devices, ATA-100
CompactFlash	On board CompactFlash support
Serial ATA	Optional 4 channels SATA-150
USB	2 USB ports on the faceplate, 2 by pin header
	Compliant with USB Specification Rev. 1.1, individual over-current protection
Serial Ports	Two RS-232 COM ports with ESD protection to 2KV
Parallel Ports	Supports one SPP, EPP and ECP mode parallel port
Audio	Integrated Audio Controllers with AC'97 Interface
Watchdog Timer	254-level timer generates RESET or NMI

VGA

Display	Integrated AGP2X Trident Blade 2D/3D Video Accelerator, up to 8MB UMA Video RAM, up to UXGA 1600 x 1200 @ 32bpp supports TFT on single channel LVDS (18-bit)

Ethernet

Ethernet	Realtek 8139CL+
	Supports 100Base-TX and 10Base-T (IEEE802.3, 802.3u, and 802.3ab), Wake-On-LAN

Mechanical and Environmental

Form Factor	PCI Half-Size CPU Card
Dimensions	185.2mm x 123.1mm (L x W)
Operating Temp.	0 to 60˚C
Storage Temp.	-20 to 80˚C
Compliance	CE, FCC Class A

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