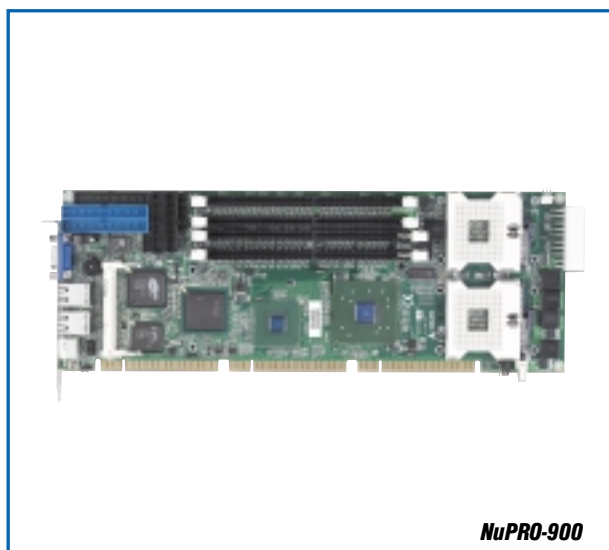




NuPRO-900 series

High Performance ePCI-X System Host Board
Dual Intel® Low Power Xeon™ with DDR, Dual Gigabit Ethernet



The dual LV Xeon processors and Dual Gigabit Ethernet ports of NuPRO-900 provide the highest performance computing solutions available today. As a 32/64-bit, 66/100/133Mhz PCI-X System Host Board, NuPRO-900 supports PICMG 1.2 ePCI-X Backplane for high-end computing servers, telecommunication computers, and mission-critical applications.

Features

- Support Dual Low Power Xeon 1.6G.
- Compliant with PICMG 1.2 R1.0.
- Four DDR DIMM sockets support up to 8GB DRR 266 SDRAM with ECC
- High communication bandwidth, support up to Dual Gigabit Ethernet ports (GbE).
- Support all generic features include VGA, COM ports, USB, Keyboard, mouse and hardware monitoring

Specifications

Standards	PICMG 1.2
Form Factor	Standard Full-Size ePCI-X SHB(System Host Board)
CPU/Cache	Dual Intel Low Voltage Xeon Processors with 512K L2 cache, 1.6 GHz
Front Side Bus Speed	400MHz
Chipset	Intel E7500 with ICH3-S and P64H2
BIOS	Award 4Mb flash memory
RAM	Four 184-pin DIMM sockets, up to 8GB Registered ECC DDR-200/266 memory
VGA	ATI RageXL with 8MB VRAM
LAN	Dual 10/100/1000Mbps Ethernet ports by Intel 82546EB
MiniPCI Interface	One Mini PCI socket supports 3.3V/33MHz/32-bit Mini PCI Type III card
IDE	ATA-100, dual channels
Floppy	Standard 34-pin connector.
Flash Disk	Flash2000 2.5" flash drive
USB	Two USB 1.1 ports via on-board pin-header connector
Super I/O	Winbond W83627HF, Two 16C550 UART compatible RS-232 COM ports with ESD protection up to 2KV. Printer Port Supported

Hardware Monitoring	Monitoring CPU temperatures, FAN speed, system temperature, CPU Vcore and DC voltages.
Watchdog Timer	Software programmable 1~255 sec or 1~255 min and can generate NMI or system reset.
Other Features	Intel PXE pre-boot on Ethernet Remote Console
Operating Temp.	0 to 55°C
Storage Temp.	-20 to 80°C
Shock	15G peak-to-peak, 11ms duration, non-operation
Vibration	Non-operation: 1.88Grms, 5-500Hz, each axis Operation: 0.5Grms, 5-500Hz, each axis
Measured Power Consumption	Dual Low Voltage Xeon 1.6GHz CPU with 2GB RAM: 10.28A @ +5V; 13.16A @ +3.3V; 1.04A @ +12V
Certificate or Test	CE; FCC class A; HALT

Ordering Information

Model number	Description/Configuration
NuPRO-900	PICMG 1.2 ePCI-X Full-size System Host Board Dual LV Xeon System Host CPU Module with VGA, Dual GbE and mPCI

Note 1: CPU, RAM or HDD are not included.

Recommended Chassis

Chassis/Sub-system	Description/Configuration
RK-615B-460X	4U Chassis with 460W ATX PSU
RK-410S-460X	4U Chassis with 460W ATX PSU
RK-220S-460	2U Chassis 6x Hot Swap Drive bay and 460W mini Redundant PSU

Recommended Add-on Cards

Model number	Description/Configuration
DB-842CF	Compact Flash/USB daughter board

Backplane Interoperability

Model number	Recommended backplanes
HPX-13S4	13 Slot BackPlane, 1 System Host Board/4 PCI-X/8 PCI
HPX-D5S4	Double Side ePCI-X Backplane, 1 System Host Board/1 PCI-X 133/3 PCI-X 66 Slots