Server Board NK12X

Arima Server
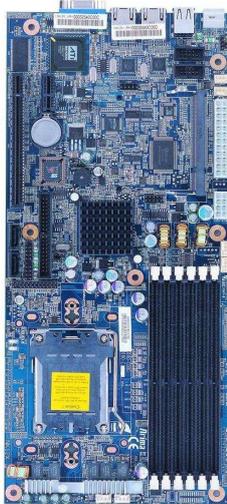
Model	CPU Backplate
NK123	Short
NK124	Long

Benefits:

▪ NK12x Provides smallest board size to get highest CPU number in Rackmount System that make you get excellent computing performance for HPC marketing.

▪ Arima's server management solution improves the manageability of enterprise IT systems, lower total cost of ownership and prevent system downtime.

Option Parts	Description
OPMA Card	Arima Scorpio2 Card
OPMA Card	Arima Aquarius Card

Specification:

Processors
▪ Single 1207pin Socket-F
▪ Supports Dual-Core and Quad-code AMD Opteron™ 2000 series CPU
▪ 2000MT/s (1000MHz) Hyper Transport system bus speed

Chipset
▪ nVidia MCP55V Pro Chipset
▪ Winbond W83627EHG Super I/O

Memory
▪ 6* 240pin DDR2 DIMM slots
▪ Dual memory channel
▪ Supports DDR2 667/553/400 Register memory up to 24GB

BIOS
▪ 8Mb Flash EEPROM with Phoenix

IDE
▪ Supports up to 2 Enhanced IDE devices

VGA
▪ Integrated ATI ES1000 video controller with 32MB DDR2 memory

SATA2
▪ nVidia MCP55V Pro SATA2 3.0Gbps controller
▪ 2* SATA Ports
▪ SATA Raid 0, 1, 5, 10, JBOD

LAN
▪ Dual IEEE 820.3 nVidia MACs for 1000/100/10 MbE with TOE
▪ 2* Marvell 88E1116 Single port GbE PHY

Expansion Slots
▪ 1* PCI-E x16 slot
▪ 1* PCI-E x1 slot

Server Management
▪ OPMA socket
▪ Monitors CPU temperature and voltages, FAN status, +3.3V, +5V, ±12V & +5V standby
▪ 1* 10pin header supports 10M/100M for OPMA LAN

Integrated I/O Interface
▪ 6* USB 2.0 Ports (2R, 4F)
▪ 2* COM port (2Front panel header)
▪ 2* Gigabit RJ45 connector
▪ 1* PS/2 Keyboard port

Form Factor
▪ Half SSI EEB form factor, size: 5.9" X 13" (10 layers)
▪ EPS 12V power connectors (24pin + 8pin)