

Server Board NK14X

Arima
Server



Model	CPU Backplate
NK147	Short

Benefits:

- NK14x 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.

Specification:

Processors

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

Chipset

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

Memory

- 4* DDR2 DIMM memory slots
- Dual memory channel
- Supports DDR2-667/553/400 Register memory up to 16GB
- Supports 4 Rank memory

BIOS

- 8Mb Flash EEPROM with Phoenix BIOS

VGA

- Integrated ATI ES1000 video controller with 32MB DDR2 memory

SATA2

- nVidia MCP55V Pro SATA2 3.0Gbps controller
- 6* 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* 16 PCI-E 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

- 4* USB 2.0 Ports (2R, 2F)
- 1* 9pin header for Serial port
- 2* Gigabit RJ45 connector
- 1* PS/2 connector supports Keyboard and mouse function (Cable needed)

Form Factor

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

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

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