Server Board BF55X

Arima Server

RoHS Compliant | intel Xeon inside | SERIAL ATA | PCI EXPRESS™
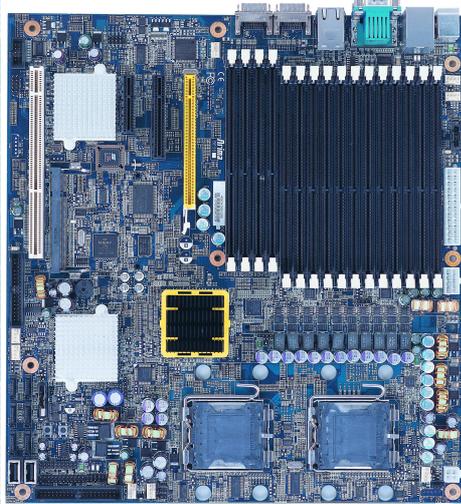
Model	Infini-band
BF553	✕
BF557	SDR
BF558	DDR

Benefits:

▪ BF55x provides excellent computing performance by 2 Intel Dual/Quad Core Xeon CPU for HPC Marketing

▪ Get highest performance by Infiniband for Storage 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
▪ Dual LGA-771 Socket
▪ Supports Intel Dempesey, Woodcret, Clovetown Series CPU

Chipset
▪ Intel Blackford MCH + ESB2
▪ Winbond Super I/O NS87427
▪ Mellanox MT25208 Series Infiniband controller

Memory
▪ 16* Memory Slot
▪ Supports DDR2 667/553 FBDIMM Memory up to 64GB

BIOS
▪ 8Mb Flash EEPROM with Phoenix BIOS

IDE
▪ Supports UDMA100/66/33 IDE drives and ATAPI compliant devices

VGA
▪ XGI Z9s with 32MB DDR2 RAM

SATA2
▪ 6* SATAII Ports (via ESB2)
▪ Supports Intel RAID for 0,1,10 and JBOD

LAN
▪ Intel 82563 Dual port GbE PHY
▪ 2* RJ45 GbE connector

Expansion Slots
▪ 1* PCI-E x16 slot (x8 Signal)
▪ 1* PCI-E x8 slot
▪ 1* PCI-E x4 slot
▪ 1* PCI-X slot

Server Management
▪ OPMA socket
▪ Monitors CPU temperature/voltages, FAN status, +3.3V, +5V, ±12V & +5V standby

Integrated I/O Interface
▪ 1* Slim Type Floppy connector
▪ 6* USB 2.0 ports (2Rear, 4Front panel header)
▪ 2* (9-pin) serial ports with UART 16550 (1Rear, 1Front panel header)
▪ 2* PS/2 ports for Keyboard and Mouse
▪ 1* DB-15 VGA connector
▪ 3* RJ-45 LAN ports (1 10M/100M dedicated for OPMA)

Form Factor
▪ SSI EEB form factor, size: 12" X 13"
▪ 10 Layers
▪ EPS 12V power connectors (24pin + 8pin + 4Pin)