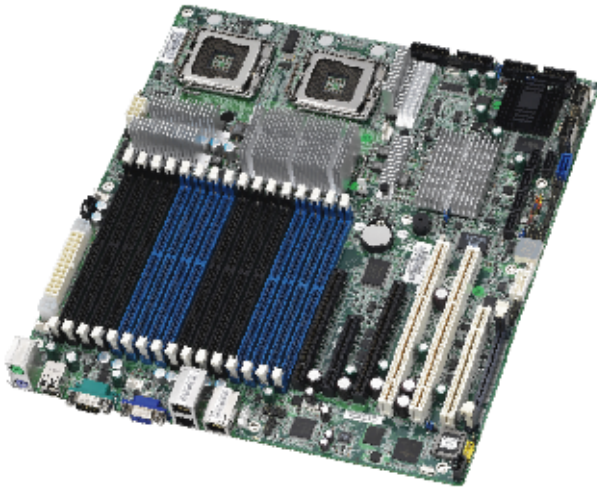


Intel Stoakley SR/WS Platform



Tempest i5400PW

S5397WAG2NRF / S5397AG2NRF



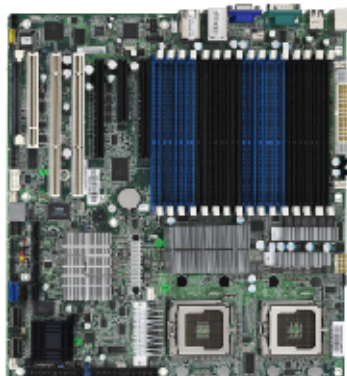
Memory Intensive Platform for HPC/WS

- Dual LGA771 sockets
Supports up to two Dual-Core Intel® Xeon® 5100/5200series processors ,Quad-Core Intel® Xeon® 5300 /5400 Series processors
- Intel® i5400B + 6321ESB
Support 1066/1333/1600 MHz FSB
- (16) DDRII 240-pin FBDIMM slot
Supporting up to 128 GB FBDIMM-533/667/800 memory
- (2) 64-bit/133MHz PCI-X slot
(2) PCI-E x16 slots (gen 2)
(1) PCI-E x8 slot (x4 links), (1) PCI
- (2) GbE support (Intel® 82563)
- IDE, Floppy, (6) SATA2 port support RAID 0/1/10/5
(8) SAS port support RAID 0/1/1E (LSi 1068E)
- Realtek ALC262 codec (Audio cable is optional)
- 2 Ch IEEE1394a (VT 6308)
- SMDC M3295-2 & M3296 for iKVM (optional)
- EATX (w/ CPU back plate for EEB compatible chassis)

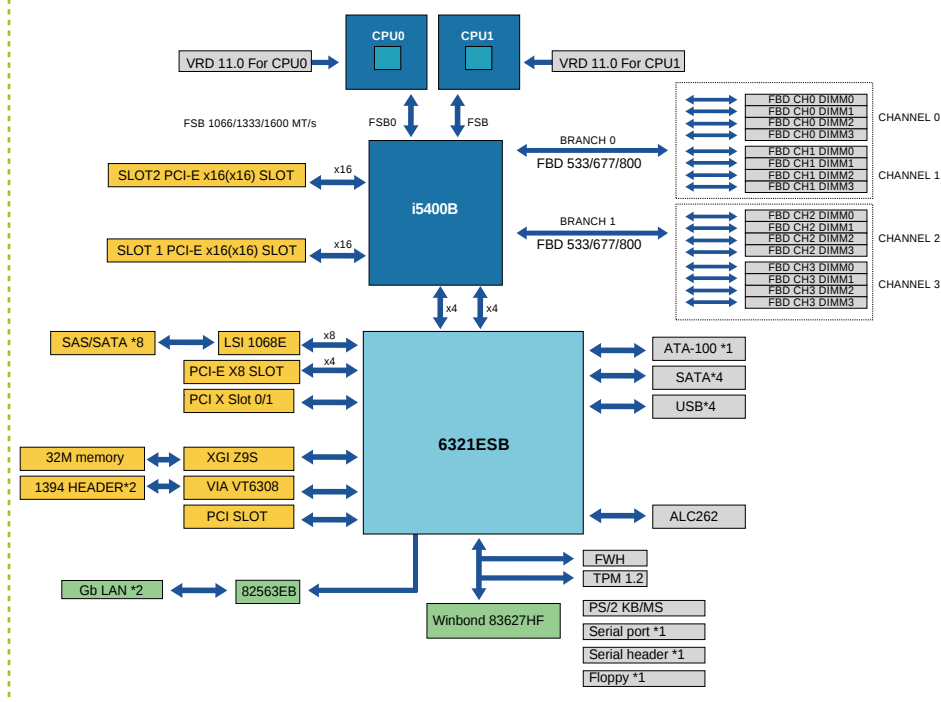
Tempest i5400PW

S5397WAG2NRF / S5397AG2NRF

▼TOP View



Block Diagram



S P E C I F I C A T I O N S

Processors

- . Dual LGA771 sockets
- . Supports up to two Dual-Core Intel® Xeon® 5100/5200series processors ,Quad-Core Intel® Xeon® 5300 /5400 Series processors
- . 1066/1333/1600 MT/s system bus
- . VRD 11.0

Chipset

- . Intel® i5400B MCH +6321ESB chipset
- . Supports for 1066/1333/1600 MT/s system bus
- . Winbond 83627HF Super I/O chip

System Management

- . Winbond W83793G Hardware Monitoring IC
- . CPU thermal & voltage monitor support
- . (6) 4-pin fan monitoring headers
- . PECI circuit for "Woodcrest / Clovertown / Wolfdale-DP / Harpertown" processor thermal monitoring

Memory

- . Sixteen (16) 240-pin DDR2 FBDIMM sockets on board
- . Maximum of 128GB DDR2-533 / 667 / 800
- . Supports 1.5V/1.8V FB-DIMM (R03 and beyond)

Expansion Slots

- . Two (2) PCI Express x16 slots(w/ x16 PCI-E Gen2 signals) from MCH
- . One (1) PCI Express x8 slot(w/ x4 signals)
- . Two (2) PCI-X 133/100MHz slots
- . One (1) PCI 32/33MHz slot (PCI device component height limit = 9.2mm)
- . Six expansion slots in total

Integrated I/O Interface

- . (1) IDE port

- . (1) Floppy port
- . (2) USB 2.0 ports via cable
- . (2) Mini SAS(4 in 1) connectors
- . (6) SATA2 connectors
- . (1) COM2 header
- . (1) 2 x 9pin TYFP header
- . (1) 2 x 6pin TYFP2 header (for TYAN® Barebone)
- . (1) 2 x 7pin FAN header (for Tyan Barebone)
- . (1) 3 x 2pin LCD Module header
- . (2) 2x5pin 1394 header

Back Panel I/O ports

- . (1) Stacked PS/2 mouse and keyboard connectors
- . (1) Stacked USB 2.0x2ports
- . (1) 9-pin serial port
- . (1) 15-pin VGA port
- . (2) Stacked RJ-45x2 LAN ports +(1) RJ-45

Integrated Serial ATA II/SAS

- . (6) SATA2 ports from Intel ESB2
 - Integrated RAID 0,1,5, and 10 support (Windows OS only)
- . LSI® 1068E SAS controller with PCI-E x 8 interface (S5397WAG2NRF only)
 - (2) Mini SAS (4 in 1)connectors
 - RAID 0, 1 and 1E support

Integrated PCI Graphics

- . XGI Z9S
- . PCI Interface
- . 32MB DDR2 memory

Integrated Audio

- . Realtek ALC262 audio CODEC
- . HDA 2.0 specification complaint
- . 2 x 5 pin header for front panel audio connector (Audio cable is optional)
- . CD-in connector

Integrated PCI 1394

- . VT6308 PCI FireWire (IEEE1394) controller
- . (2) IEEE 1394 headers (via cable)

Integrated LAN Controllers

- . One Intel® "Gilgal" (82563EB) PHY
- . Direct link to ESB2
- . Two Gigabit LAN ports
- . Two front panel LED pin headers

Server Management

- . Support Server Management from S5397 R03 and beyond version.
- . TYAN® SMDC M3295-2 support (SMDC card is optional)
- . TYAN® SMDC M3296 support (SMDC card is optional)

Trusted Platform Management (TPM)

- . Infineon SLB9635TT 1.2

BIOS

- . Phoenix BIOS® on 8Mbit Flash ROM
- . Support APM 1.2, ACPI 1.0b
- . Serial Console Redirect
- . PXE via Ethernet, USB device boot
- . PnP, DMI 2.0, WfM 2.0 Power Management
- . User-configurable H/W monitoring
- . Auto-configuration of hard disk types
- . Multiple boot options
- . 48-bit LBA support

Form Factor

- . Extended ATX (12" x 13") board size, with proprietary CPU heatsink mounting holes
- . EPS12V/SSI (24+8+4+4 pin) power connectors for 5x +12V input

Regulatory

- . FCC Class B (DoC)
- . European Community CE (DoC)

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