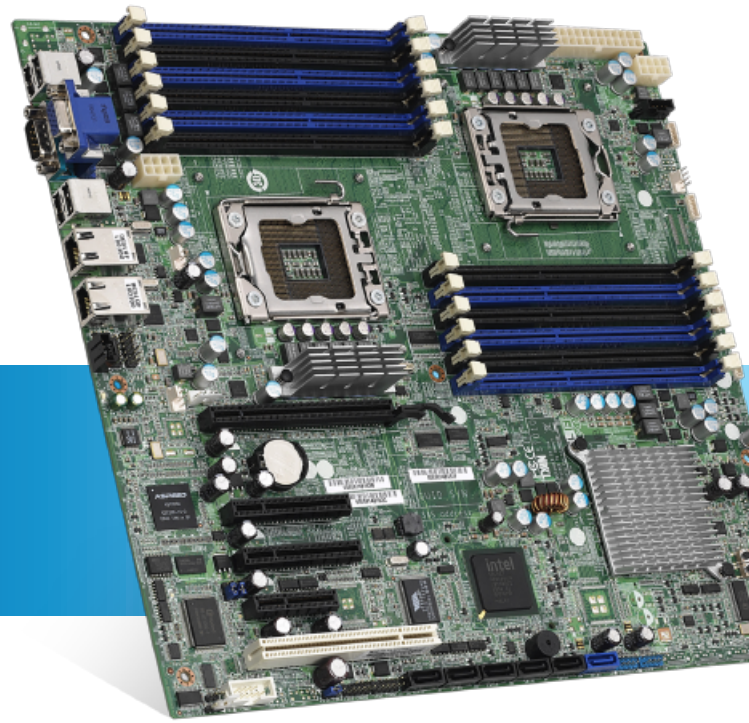
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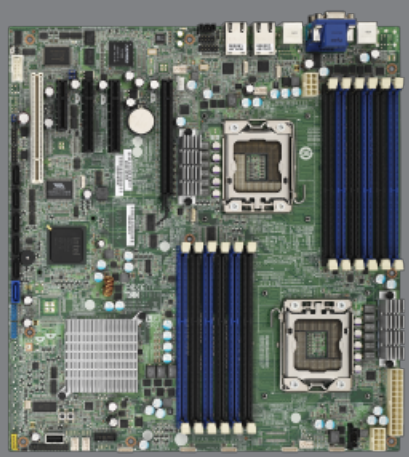
DUAL-SOCKET SERVER / WORKSTATION PLATFORM



S7010

S7010AGM2NRF





■ Intel® 5520 Chipset

Mainstream dual-socket server/ workstation platform with iKVM support

- Dual LGA1366 sockets support up to (2) Intel® Xeon® Processor 5500/ 5600 Series
- Support QPI 6.4/ 5.86/ 4.8 GT/s
- Intel® 5520 IOH
- Intel® ICH10R South Bridge
- (12) 240-pin DDR3 DIMM slots support up to 96GB R-DDR3 1333/1066/800MHz w/ ECC memory
- (1) PCI-E Gen.2 x16 slot
- (2) PCI-E Gen.2 x8 slots
- (1) PCI-E x4 slot
- (1) PCI 32/33MHz slot
- (6) SATA-II connectors w/ RAID 0, 1, 10, 5 support
- Onboard Audio and Firewire
- (2) GbE LAN
- TPM 1.2 (Trusted Platform Module) support
- Onboard BMC w/ iKVM support
- SSI EEB (12" x 13") form factor

Specifications are subject to change without notice. Items pictured may only be representative.

S7010

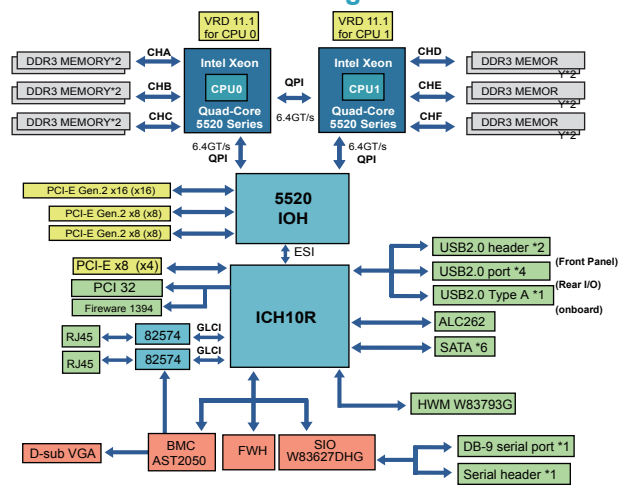
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Specifications

Processor	Supported CPU Series		Intel® Xeon® Processor 5500/ 5600 Series
	Socket Type / Q'ty		LGA1366 / (2)
	Thermal Design Power (TDP) wattage		130W
	System Bus (MHz)		Up to 4.8/ 5.86/ 6.4GT/s with Intel® QuickPath Interconnect (QPI) support
Chipset	IOH / ICH		Intel® 5520 / ICH10R
	Super I/O		Winbond W83627
Memory	Supported DIMM Qty		(12) DIMM sockets
	DIMM Type / Speed		DDR3 800/1066/1333 RDIMM/UDIMM
	Capacity		Up to 96GB at launch w/ dual rank RDIMMs
	Memory channel		6 Channels (3 Channels per CPU)
	Memory voltage		1.5V
Expansion Slots	PCI-E		(1) PCI-E Gen.2 x16 slot (2) PCI-E Gen.2 x8 slots (1) PCI-E x4 slot
	PCI		(1) PCI 32-bit slot
	Recommended TYAN® Riser Card		M2083-RS, PCI-E x16 1U riser card (left) M2061, PCI-E x8 to PCI-X 1U riser card (left)
LAN	Port Q'ty		(2)
	Controller		Intel® 82574L
Storage	SATA	Connector	(6) SATA
		Controller	ICH10R
		Speed	3.0 Gb/s
		RAID	RAID 0/1/10/5 (Intel® Matrix RAID)
Graphic	Connector type		D-Sub 15-pin
	Resolution		1600x1200@60Hz
	Chipset		Aspeed AST2050
Audio	Chipset		Realtek ALC262
	Feature		HDA 2.0 spec. complaint
Firewire	Port Q'ty		(2)
	Chipset		VIA VT6308
TPM	Chipset		Infineon SLB9635
	Version		TPM v1.2
Input /Output	USB		(9) USB2.0 ports (4 at rear, 4 via cable, 1 type A onboard)
	COM		(2) ports (1 at rear, 1 via cable)
	VGA		(1) D-Sub 15-pin VGA port
	Audio		(1) CD_IN header (1) 2x5-pin front panel audio header (1) 2x6-pin rear audio jack header
	RJ-45		(2) GbE ports
	Firewire		(2) 2x5-pin headers
	Power		SSI 24-pin + 8-pin + 8-pin power connectors / EPS12V
	Front Panel		(1) 2x12-pin SSI front panel header
	SATA		(6) SATA-II connectors
System Monitoring	Chipset		Winbond W83793G
	Voltage		Monitors voltage for CPU, memory, chipset & power supply
	Fan		Total (5) 4-pin headers Total (5) 8-pin headers
	Temperature		Monitors temperature for CPU & system environment

Block Diagram



System Monitoring	LED	Fan fail LED indicator (presented by system front panel) Over temperature warning indicator
	Others	Chassis intrusion detection Watchdog timer support
Server Management	Onboard Chipset	Onboard Aspeed AST2050
	AST2050 IPMI Feature	IPMI 2.0 compliant baseboard management controller (BMC) Supports storage over IP and remote platform-flash BIOS update USB 2.0 virtual hub
	AST2050 iKVM Feature	24-bit high quality video compression Dual 10/100 Mb/s MAC interfaces
BIOS	Brand / ROM size	AMI / 4MB
	Feature	Plug and Play (PnP) / PCI2.3 WfM2.0 / SMBIOS2.3 / PXE boot ACPI 2.0 power management Power on mode after power recovery User-configurable H/W monitoring Auto-configurable of hard disk types Multiple boot options
Form Factor	Form Factor	SSI EEB
	Board Dimension	12"x13" (305x330mm)
Operation System	OS supported list	Please refer to our OS supported list.
Regulation	FCC (DoC)	Class B
	CE (DoC)	Yes
Operating Environment	Operating Temp.	10° C ~ 35° C (50° F~ 95° F)
	Non-operating Temp.	- 40° C ~ 70° C (-40° F ~ 158° F)
	In/Non-operating Humidity	90%, non-condensing at 35° C
RoHS	RoHS 6/6 Complaint	Yes

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