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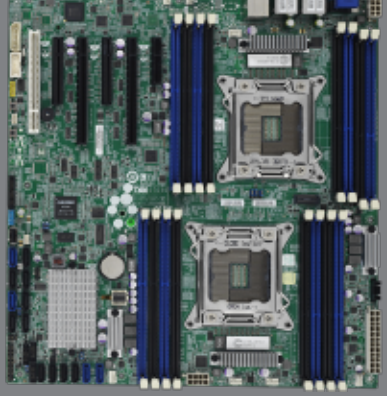
www.tyan.com

DUAL-SOCKET SERVER PLATFORM



S7050

S7050A2NRF / S7050GM4NR / S7050WGM4NR /
S7050GM2NR(BTO) / S7050WGM2NR(BTO)



■ Intel® C602 Chipset

High-end dual-socket server platform for HPC and server virtualization applications with (4) GbE and iKVM support workgroups & SMB

- Dual LGA2011 socket supports E5-2600/E5-2600 v2 series CPU
- Intel® C602 PCH and INTEL SAS ROM key design
- (8+8) 240-pin UDIMM/RDIMM/LRDIMM ECC 1066/1333/1600/1866
  *Speed 1866 only for 1 slot per channel 1.5V(Blue color DIMM slot)
- Support up to 128GB UDIMM/256GB RDIMM/512GB LDRIMM memory
- (1) PCI-E x4 slots , (2) PCI-E x8 slots, (2) PCI-E x16 slots, (1)PCI Slot
- (4) SATA-II connectors w/ RAID 0, 1, 10, 5 support
- (2) SATA-III connectors
- up to (4) GbE LAN
- SSI EEB (12" x 13") form factor

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

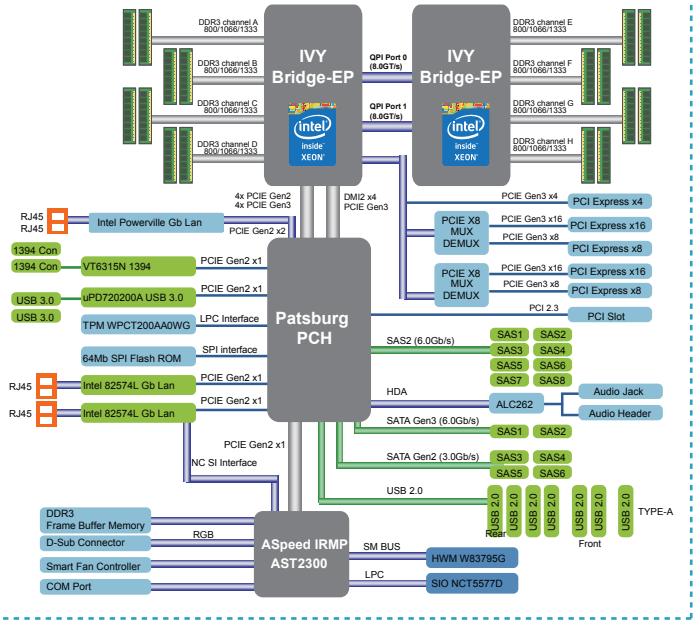
S7050

S7050A2NRF / S7050GM4NR / S7050WGM4NR /
S7050GM2NR(BTO) / S7050WGM2NR(BTO)

TYAN Specifications

Processor	Supported CPU Series		Intel Xeon Processor E5-2600/E5-2600 v2 Series
	Socket Type / Q'ty		LGA2011 / (2)
	Thermal Design Power (TDP) wattage		150W
Chipset	PCH / PCI-E Switch		Intel® C602 series -W sku include INTEL ROM 5 key
	Super I/O		Nuvoton 5577D
Memory	Supported DIMM Qty		(8+8) DIMM sockets
	DIMM Type / Speed		UDIMM/RDIMM/LRDIMM ECC 1066/1333/1600/1866 *Speed 1866 only for 1 slot per channel 1.5V (Blue color DIMM slot)
	Capacity		up to 128GB UDIMM / 256GB RDIMM / 512GB LRDIMM
	Memory channel		4 Channels
	Memory voltage		1.35V/1.5V
Expansion Slots	PCI-E		(1) PCI-E x4 slot (x4 link, slot #6) (1) PCI-E x16 slot (x16 link or x8 link, slot #5) (1) PCI-E x8 slot (x8 link or x0 link, slot #4) (1) PCI-E x16 slot (x16 link or x8 link, slot #3) (1) PCI-E x8 slot (x8 link or x0 link, slot#2)
	Recommended TYAN® Riser Card		-
	PCI		(1) PCI 32-bit slot (x8 link, slot #1)
LAN	Port Q'ty		(4) GbE ports
	Controller		Intel® 82574L / Intel® I350-AM2
Storage	SAS (opt.)	Connector	(8) SAS (S7050WGM2NR, S7050WGM4NR)
		Controller	Intel C602 with TRK-5 upgrade ROM module
		Speed	3.0 Gb/s
		RAID	RAID 0/1/10
	SATA	Connector	(6) SATA
		Controller	Intel® C602
		Speed	(2) 6.0 Gb/s(blue color); (4) 3.0 Gb/s(black color)
		RAID	RAID 0/1/10/5 (Intel® RST)
Graphic	Connector type		D-Sub 15-pin
	Resolution		-
	Chipset		Aspeed AST2300
Audio	Chipset		ACC262 (S7050A2NRF)
	Version		-
TPM (optional)	Chipset		-
	Version		-
Input /Output	USB		(7) USB2.0 ports (4 at rear, 2 at front, 1 type A)
	COM		(1) DB-9 COM connctor (at rear, COM1) + (1) Header (COM2)
	Audio		-
	VGA		(1) D-Sub 15-pin VGA port
	DVI		-
	Display Port		-
	Power		SSI 24-pin + 8-pin + 8-pin power connectors (1) 4 pin power connector for PCI-E
	RJ-45		(4) GbE ports
	Power		SSI/ATX 24-pin + 8-pin + 8-pin power connectors
	Front Panel		(1) 2x12-pin SSI front panel header
	SATA		(4) SATA-II and (2) SATA-III conncectors

Block Diagram



System Monitoring	Chipset	Winbond W83795G
	Voltage	Monitors voltage for CPU, memory, chipset & power supply
	Fan	Total (7) 4-pin headers
	Temperature	Monitors temperature for CPU & system environment
Server Management	Onboard Chipset	Onboard Aspeed AST2300
	AST2300 IPMI Feature	IPMI 2.0 compliant baseboard management controller (BMC) Supports storage over IP and remote platform-flash USB 2.0 virtual hub
	AST2300 iKVM Feature	24-bit high quality video compression 10/100 Mb/s MAC interface
BIOS	Brand / ROM size	AMI / 16MB
	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
Form Factor	Form Factor	SSI EEB
	Board Dimension	12"x13" (305x330mm)
Operating 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 Non-operating Relative Humidity: 10% to 95% (non-condensing)
RoHS	RoHS 6/6 Complaint	Yes
ErP/EuP		YES

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