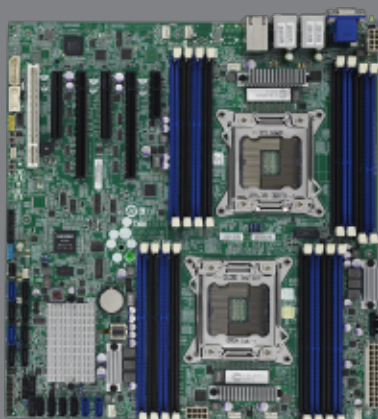
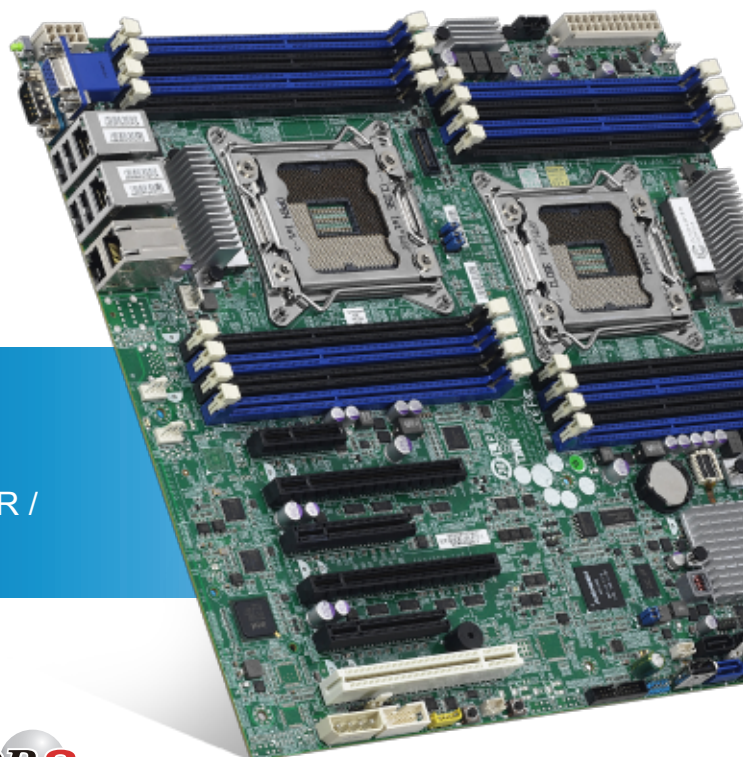


DUAL-SOCKET SERVER PLATFORM

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

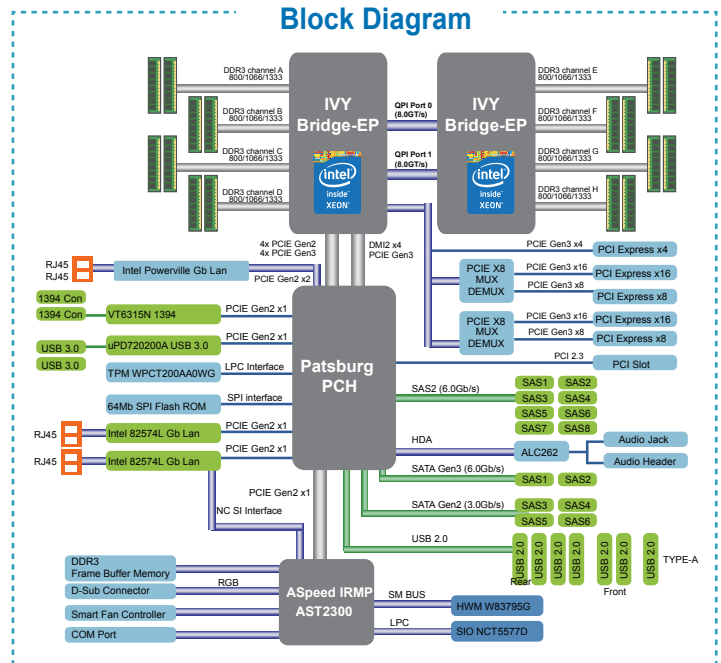
- Dual LGA2011 socket supports E5-2600/E5-2600 v2 series CPU
- Intel® C602 PCH and INTEL SAS ROM key design
- (8+8) 240-pin UDIMM/RDIMM/LRDIMM ECC 1066/1333/1600/1866
*Speed 1866 only for 1 slot per channel 1.5V(Blue color DIMM slot)
- Support up to 128GB UDIMM/256GB RDIMM/512GB LDRIMM memory
- (1) PCI-E 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

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
	SATA	RAID RAID 0/1/10
		Connector (6) SATA
		Controller Intel® C602
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 connectors



System Monitoring	Chipset	Winbond W83795G
	Voltage	Monitors voltage for CPU, memory, chipset & power supply
	Fan	Total (7) 4-pin headers
Server Management	Temperature	Monitors temperature for CPU & system environment
	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
BIOS	AST2300 iKVM Feature	24-bit high quality video compression 10/100 Mb/s MAC interface
	Brand / ROM size	AMI / 16MB
Form Factor	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	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 Compliant	Yes
ErP/EuP		YES

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

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