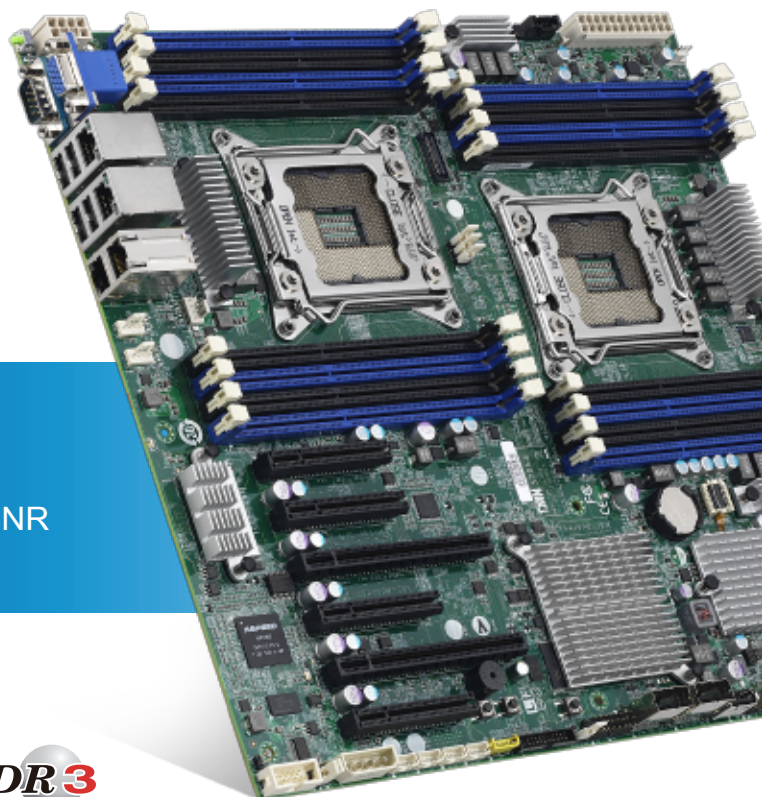
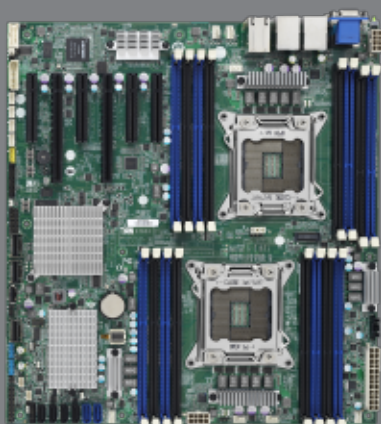


DUAL-SOCKET SERVER PLATFORM

S7053

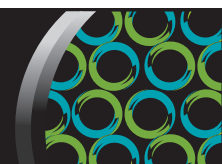
S7053GM2NR / S7053WGM2NR / S7053GM4NR
S7053WGM4NR



■ Intel® C602 Chipset

High-end dual-socket server platform for
Storage and server virtualization
applications
with (4) GbE and iKVM support

- Dual LGA2011 socket supports (2) 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
- (4) PCI-E x8 slots, (2) PCI-E x16 slots
- (4) SATA-II connectors w/ RAID 0, 1, 10, 5 support
- (2) SATA-III connectors
- (3) mini-SAS connector
- LSI SAS2308 SAS 6.0Gb/s ports up to (8) ports
- Up to (4) GbE LAN
- SSI EEB (12" x 13") form factor



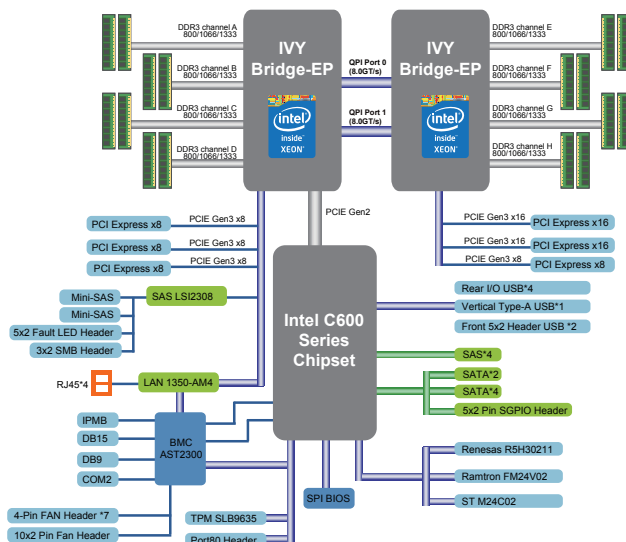
S7053

S7053GM2NR / S7053WGM2NR / S7053GM4NR
S7053WGM4NR



Processor	Supported CPU Series		Intel® Xeon® E5-2600 Series processors
	Socket Type / Q'ty		LGA2011 / (2)
	Thermal Design Power (TDP) wattage		150W
Chipset	PCH / PCI-E Switch		Intel® C602 series
	Super I/O		Nuvoton 5577D
Memory	Supported DIMM Qty		(8+8) DIMM sockets
	DIMM Type / Speed		DDR3/DDR3L 800 / 1066 / 1333 / 1600 RDIMM, 800 / 1066 / 1333 UDIMM / LRDIMM / Support DDR3 Unbuffered and Register ECC
	Capacity		up to 128GB UDIMM / 256GB RDIMM / 512GB LRDIMM
	Memory channel		4 Channels
	Memory voltage		1.35V/1.5V
Expansion Slots	PCI-E		(4) PCI-E x8 slots (x8 link, slot #6, #5, #3, #1) (2) PCI-E x16 slots (x16 link, slot #4, #2)
	Recommended TYAN® Riser Card		-
	PCI		-
LAN	Port Q'ty		(4) GbE ports
	Controller		Intel® I350AM2 / I350AM4
Storage	SAS (opt.)	Connector	(2) Mini-SAS
		Controller	LSI SAS2308 (S7053WGM2NR, S7053WGM4NR)
		Speed	6.0 Gb/s
	SATA	RAID	RAID 0/ 1/ 1E/ 10 (LSI Integrated RAID)
		Connector	(10) SATA; (2) 6G + (8) 3G
		Controller	Intel® C602
		Speed	(2) 6.0 Gb/s(blue color); 4 for 3.0 Gb/s(black color); (4) 3.0 Gb/s (mini-SAS connectors)
RAID	RAID 0/1/10/5 (Intel® RST)		
Graphic	Connector type		D-Sub 15-pin
	Resolution		-
	Chipset		Aspeed AST2300
Audio	Chipset		-
	Version		-
TPM (optional)	Chipset		Infineon SLB9635 (optional)
	Version		TPM v1.2
Input /Output	USB		(5) USB2.0 ports (2 stack-up ports, 1 type A header
	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
	RJ-45		(4) GbE ports (-4NR SKU)
	Power		SSI/ATX 24-pin + 8-pin + 8-pin power connectors
	Front Panel		(1) 2x12-pin SSI front panel header
	SATA		(6) signle port SATA connectors (1) Mini SAS
	SAS		(2) Mini SAS

Block Diagram



System Monitoring	Chipset	Nuvoton 8377G
	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 / 8MB
	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 A
	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

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

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