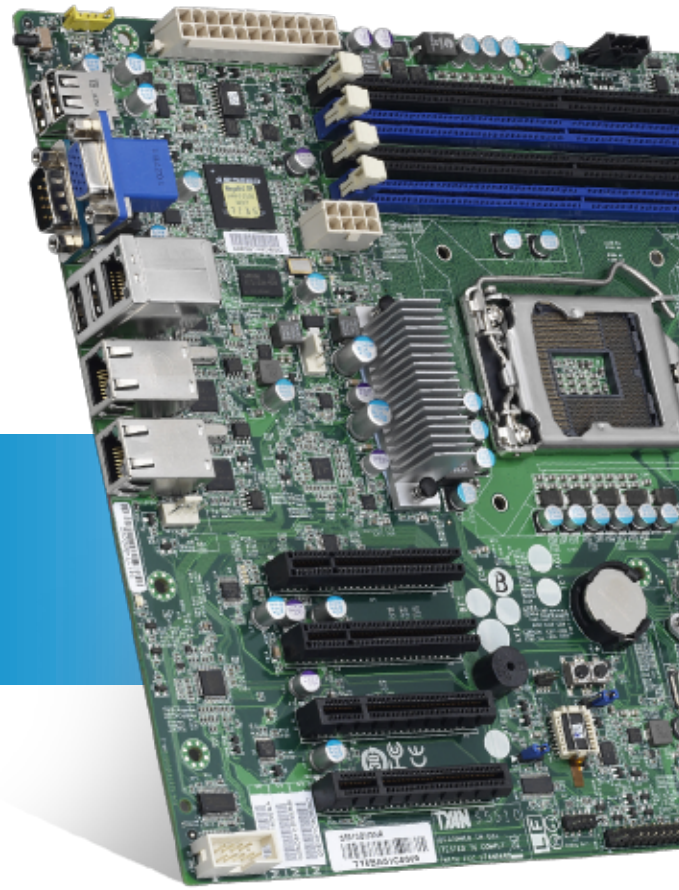
TYAN

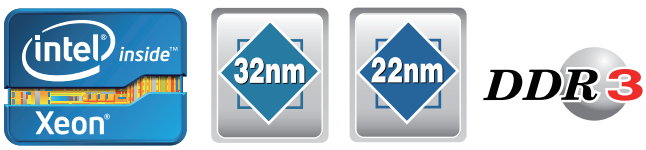
www.tyan.com

SINGLE-SOCKET MICRO ATX SERVER PLATFORM



S5510

S5510GM3NR / S5510G2NR-LE





■ Intel® C204 Chipset

Entry-level single-processor server for small business and enterprise

- Single LGA1155 socket supports (1) Intel® Xeon® processor E3-1200 i3-2100 (32nm / 22nm) series processors
- Intel® C204 PCH / Intel® C202 PCH
- (4) 240-pin DDR3 DIMM slots support up to 32GB U-DDR3 1600/1333/1066 MHz w/ ECC memory
- (2) PCI-E Gen.2/ Gen.3 x8 slot (w/ x8 link)
- (2) PCI-E Gen.2/ Gen.3 x8 slots (w/ x4 link)
- (4) SATA-II connectors w/ RAID 0, 1, 10, 5 support
- (2) SATA-III connectors
- (3) GbE LAN
- AST2150 BMC w/ IPMI and iKVM support
- MICRO ATX (9.6" x 9.6") form factor

* Use Intel® IVY Bridge CPU to Support PCI-E Gen.3

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

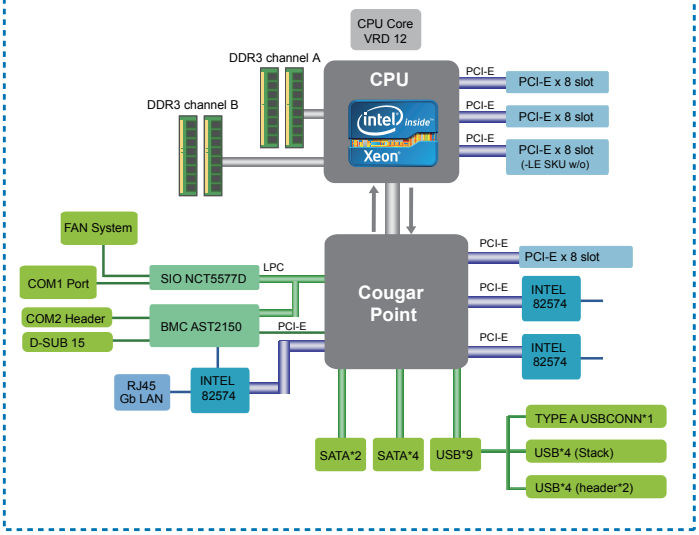
S5510

S5510GM3NR / S5510G2NR-LE

TYAN Specifications

Processor	Supported CPU Series		Intel® Sandy bridge CPU, Intel ® Xeon® processors E3-1200 (32nm/ 22nm) i3-2100 series
	Socket Type / Q'ty		LGA1155 / (1)
	Thermal Design Power (TDP) wattage		95W/ 80W/ 65W/ 45W/ 20W
Chipset	PCH / PCI-E Switch		Intel® C204 (S5510GM3NR) Intel® C202 (S5510G2NR-LE)
	Super I/O		NVT 5577D
Memory	Supported DIMM Qty		(4) DIMM sockets
	DIMM Type / Speed		DDR3 800/1066/1333/1600 UDIMM
	Capacity		Up to 32GB ECC UDIMM
	Memory channel		2 Channels
	Memory voltage		1.5V
Expansion Slots	PCI-E		(2) PCI-E Gen.2/ Gen.3 x8 slot (w/ x8 link) (2) PCI-E Gen.2/ Gen.3 x8 slot (w/ x4 link) * Use Intel® IVY Bridge CPU to Support PCI-E Gen.3
	PCI		None
LAN	Port Q'ty		Max (3)
	Controller		Intel® 82574L
	SATA	Connector	(6) single-port
		Controller	Intel® C204 / C202
		Speed	2 for 6.0 Gb/s(blue color), 4 for 3.0 Gb/s(black color)
		RAID	RAID 0/1/10/5 (Intel® RST) -LE SKU 6 for 3.0 Gb/s
Graphic	Connector type		D-Sub 15-pin
	Resolution		1600x1200@60Hz
	Chipset		Aspeed AST2150
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
	RJ-45		Max (3) GbE ports
	Power		SSI 24-pin + 8-pin power connectors
	Front Panel		(1) 2x12 pin SSI front panel header
	SATA		(6) single port SATA connectors
System Monitoring	Chipset		Nuvoton 5577D
	Voltage		Monitors voltage for CPU, memory, chipset & power supply
	Fan		Total (5) 4-pin headers
	Temperature		Monitors temperature for CPU & system environment
	Others		Chassis intrusion detection Watchdog timer support
Server Management	Onboard Chipset		Onboard Aspeed AST2150
	AST2150 IPMI Feature		IPMI 2.0 compliant baseboard management controller (BMC) BIOS update USB 2.0 virtual hub
	AST2150 iKVM Feature		24-bit high quality video compression Dual 10/100 Mb/s MAC interfaces

Block Diagram For C204



BIOS	Brand / ROM size	AMI / 8MB
	Feature	Plug and Play (PnP)/ PCI 2.3 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	Micro-ATX
	Board Dimension	9.6"x9.6" (244x244mm)
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 (41° F~ 95° F)
	Non-operating Temp.	- 40° C ~ 70° C (-40° F ~ 158° F)
	Humidity	Operating Relative Humidity: 15% to 90% (non-condensing) Non-operating Relative Humidity: 10% to 95% (non-condensing)
RoHS	RoHS 6/6 Complaint	Yes
ErP/EuP	Version 5.0	Support

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MITAC INTERNATIONAL CORP.
TYAN Business Unit

USA
Tel: +1-510-651-8868
Fax: +1-510-651-7688

Taiwan
Tel: +886-2-2652-5888
Fax: +886-2-2652-5805

Japan
Tel: +81-3-3769-8311
Fax: +81-3-3769-8328

Europe
Sales: +32 2456 1721
Technical Support: +32 2456 1722

China
Shanghai Tel: +86-21-61431188 Ext 1366
China Tel:-86-010-62555015 Ext 8302