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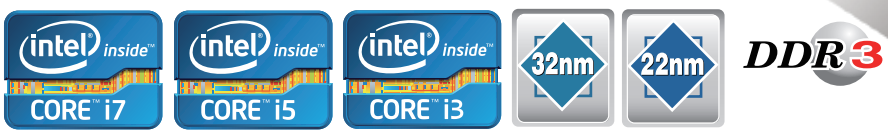
SINGLE-SOCKET EMBEDDED PLATFORM

S5515

S5515AG2NR



■ Intel® Q67 Chipset

Entry single-socket for Embedded Product

- Single LGA1155 socket supports (1) I3/I5/I7 32nm/22nm series CPU
- Intel® Q67 PCH
- (4) 240-pin DDR3 DIMM slots support up to 32GB U-DDR3 *1600/1333/1066MHz without ECC memory
- (1) PCI-E Gen.2/ Gen.3* x16 slot
- (1) PCI-E Gen.2 x1 slot
- (1) PCI-E Gen.2 x8 slots (w/ x4 link)
- (1) PCI slot
- (4) SATA-II connectors w/ RAID 0, 1, 10, 5 support
- (2) SATA-III connectors
- (2) GbE LAN
- (2) USB 3.0
- (4) RS232 COM ports
- Micro-ATX (9.6" x 9.6") form factor

* Features provided by i3/i5/i7, 22nm(Ivy Bridge)CPU

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

S5515

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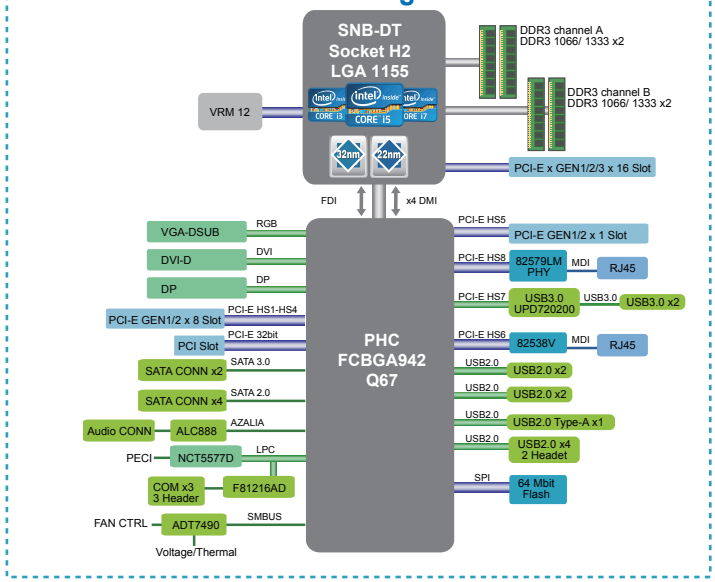
TYAN Specifications

Processor	Supported CPU Series		Intel® Core i3/ i5/ i7 32nm/22nm series processors
	Socket Type / Q'ty		LGA1155 / (1)
	Thermal Design Power (TDP) wattage		Max up to 95W
Chipset	PCH / PCI-E Switch		Intel® Q67
	Super I/O		Nuvoton 5577D
Memory	Supported DIMM Qty		(4) DIMM sockets
	DIMM Type / Speed		Unbuffered Non-ECC DDR31600* / 1333/1066
	Capacity		Up to 32GB Non-ECC UDIMM
	Memory channel		2 Channels
	Memory voltage		1.5V
Expansion Slots	PCI-E		(1) PCI-E Gen.2/ Gen3* x16 slot (1) PCI-E Gen.2 x1 slot (1) PCI-E Gen.2 x8 slot (w/ x4 link)
	Recommended TYAN® Riser Card		(1) PCI 32-bit slot
LAN	Port Q'ty		(2)
	Controller		Intel® 82583L+82579LM
Storage	SATA	Connector	(6) signle-port
		Controller	Intel® Q67
		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)
Graphic	Connector type		D-Sub 15-pin / DVI-D / Display port 1.1 / Only two video output at the same time
	Resolution		Up to 1920x1024
	Chipset		Intel Q67
Audio	Chipset		Realtek ALC888
	Version		High Definition Audio
TPM (optional)	Chipset		Infineon SLB9635 (optional)
	Version		TPM v1.2
Input /Output	USB		(9) USB2.0 ports (4 at rear, 4 via cable, 1 type A onboard), (2) USB3.0 ports
	COM		(4) headers
	Audio		LINE_IN, LINE_OUT, MIC_IN connectors
	VGA		(1) D-Sub 15-pin VGA port
	DVI		(1) DVI-D port
	Display Port		(1) DP port
	RJ-45		(2) GbE ports
	Power		SSI/ATX 24-pin + 4-pin power connectors
	Front Panel		(1) 2x12-pin SSI front panel header
	SATA		(6) signle port SATA connectors
System Monitoring	Chipset		ADT7490
	Voltage		Monitors voltage for CPU, memory, chipset & power supply
	Fan		Total (3) 4-pin headers
	Temperature		Monitors temperature for CPU & system environment

* Features provided by i3/i5/i7, 22nm(Ivy Bridge)CPU

Block Diagram



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	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 B
	CE (DoC)	Yes
Operating Environment	Operating Temp.	0° C ~ 55° C (32° F~ 131° 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		Support

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