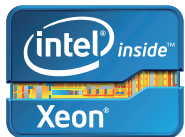


4U QUAD-SOCKET HPC/DATABASE SERVER PLATFORM



FT68-B7910

B7910F68W32HR



■ Front View



(32) Hot-Swap 2.5" SATA-III/ SAS HDDs

■ Back View



(6) FH/FL PCI-E (G3) x16 slots +
(2) FH/HL PCI-E (G3) x8 slots +

4U Quad-socket Enterprise server platform supporting 8 PCI-e slots

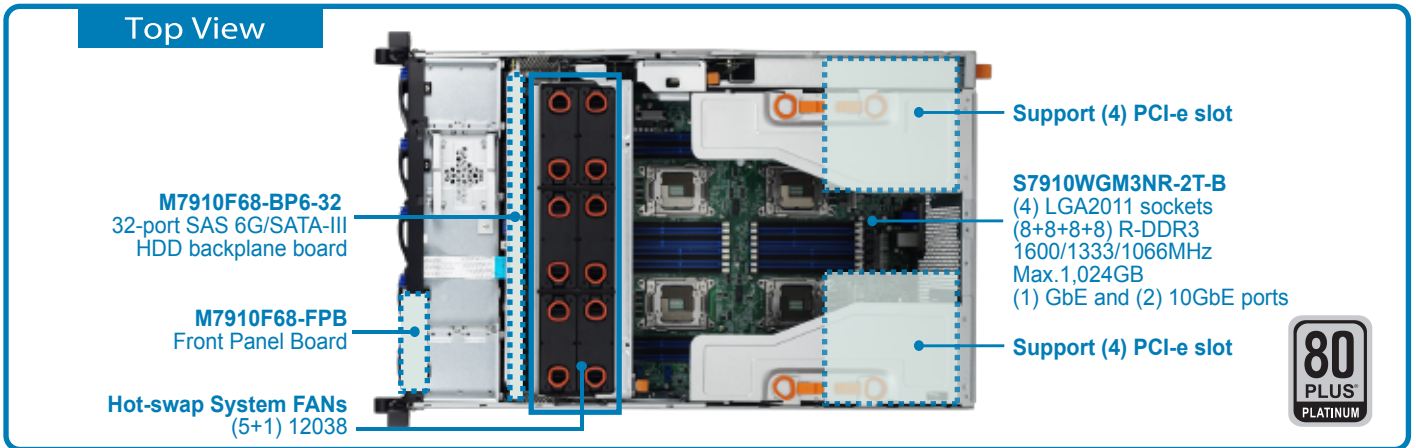
- Romley-EP Quad sockets support up to (4) INTEL Sandy Birdge E5-4600 series processors
- Intel C600 PCH and LSI 2308 chipset
- (8+8+8+8) 240-pin DDR3 DIMM slots support up to 1024GB R-DDR3 1333/1066/800MHz w/ ECC memory
- (8) FH/FL PCI-E Gen.3 slots
- (2) 10GbE Bast-T LAN
- (1) Dedicated IPMI LAN
- (32) Hot-swap 2.5" 9mm high SAS SATA 6G HDDs w/ RAID 0, 1, 1E, 10 support
- Onboard BMC w/ IPMI and iKVM support
- (1+1) ERP1U high-efficiency (80-PLUS Platinum) 1600W PSU w/ PFC
- System Cableless design



FT68-B7910

B7910F68W32HR

TYAN
Specifications



System	Form Factor	4U Rackmount	Storage	SAS (opt.)	Controller	LSI SAS2308
	Chassis Name	FT68		Speed	6.0 Gb/s	
	Dimension (H x W x D)	6.9" x 17.44" x 27.52" (175 x 436 x 688mm)		RAID	RAID 0/1/1E/10 (LSI Integrated RAID)	
	Motherboard	S7910WGM3NR		SATA	Controller	Intel® C602 series
Front Panel	Gross Weight	45 Kg	Speed	6.0 Gb/s		
	Buttons	(1) PWR (w/ LED) / (1) RST / (1) ID	RAID	RAID 0/1/10 (INTEL RAID stack)		
External Drive Bay	LEDs	(1) ID / (1) Warning / (1) HDD (3) LAN (1) Power	Graphic	Connector type	D-Sub 15-pin	
	Type / Q'ty	2.5" 9mm higher Hot-Swap / (32)		Resolution	1920x1200@60Hz	
System Cooling Configuration	Supported HDD Interface	SAS/SATA 6.0Gb/s	Chipset	Aspeed AST2300		
	FAN	(6) 12cm hot-swap fans	Input /Output	USB	(4) USB2.0 ports (2 at rear I/O, 2 at Riser card)	
Type	ERP1U	COM		(1) DB-9 port		
Power Supply	Input Range	Full-range AC(100-240V)		VGA	(1) D-Sub 15-pin VGA port	
	Frequency	47 - 63 Hertz		RJ-45	(3) GbE ports	
	Output Watts	1600 Watts	System Monitoring	Chipset	Winbond W83795G	
	Efficiency	PFC / 80-PLUS Platinum		Voltage	Monitors voltage for CPU, memory, chipset & power supply	
Processor	Supported CPU Series	Intel® E5-4600 series processors		Temperature	Monitors temperature for CPU & system environment	
	Socket Type / Q'ty	Socket R / (4)		LED (On system front)	Fan fail LED indicator Over temperature warning indicator	
	Average CPU Power (ACP) wattage	Up to 135W	Others	Chassis intrusion detection Watchdog timer support		
Chipset	System Bus	QPI link upto 8GT/s	Server Management	Onboard Chipset	Onboard Aspeed AST2300	
	Chipset	Intel® C602		AST2300 IPMI Feature	IPMI 2.0 compliant baseboard management controller (BMC) BIOS update USB 2.0 virtual hub	
Memory	Super I/O	Winbond W83627DHG-P		AST2300 iKVM Feature	24-bit high quality video compression Dual 10/100 Mb/s MAC interfaces	
	Supported DIMM Qty	(8+8+8+8) DIMM slots DDR3/DDR3L 800 / 1066 / 1333 / 1600 RDIMM, 800 / 1066 / 1333 UDIMM / LRDIMM / Support DDR3 Unbuffered and Register ECC	Brand / ROM size	AMI / 16MB		
	DIMM Type / Speed		BIOS	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 Multiple boot options	
	Capacity	Up to 1024GB RDIMM		Operating System	OS supported list	Please refer to our OS supported list.
	Memory channel	4 Channels per CPU			FCC (DoC)	Class A
Expansion Slots	Memory voltage	1.5V/ 1.35V	CE (DoC)	Yes		
	PCI-E	(6) FH/FL PCI-E Gen.3 x16 slots (2) FH/FL PCI-E Gen.3 x8 slots	Operating Environment	Operating Temp.	10° C ~ 35° C (50° F ~ 95° F)	
Pre-installed TYAN Riser Card	(1) M7910-R56-3F1L, PCI-E x16&x8 4U riser card (right) (1) M7910-L56-3F1L, PCI-E x16&x8 4U riser card (left)	Non-operating Temp.		- 40° C ~ 70° C (-40° F ~ 158° F)		
LAN	Port Q'ty	(3)	In/Non-operating Humidity	90%, non-condensing at 35° C		
	Controller	Intel® X540 10GbE Bast-T / Marvell 88E1111 for Dedicated IPMI	RoHS	RoHS 6/6 Compliant	Yes	

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

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