

DUAL-SOCKET 8GPGPU PLATFORM

FT77C-B7079

B7079F77CV10HR-2T-N / B7079F77CV10HR-2T-X
B7079F77CV10HR-N / B7079F77CV10HR-X



■ Front View



(10) Hot-swap 3.5"/2.5" SATA/SAS 6G HDDs

■ Back View



(8) PCI-E Gen.3 x16 slots
(1) PCI-E Gen.3 x8 slot for mezzanine card (underneath PSUs)
(2+1) 3,200W RPSU @ 220Vac

4U Server Platform Designed for up to 8x Coprocessor / GPGPU Modules Deployment

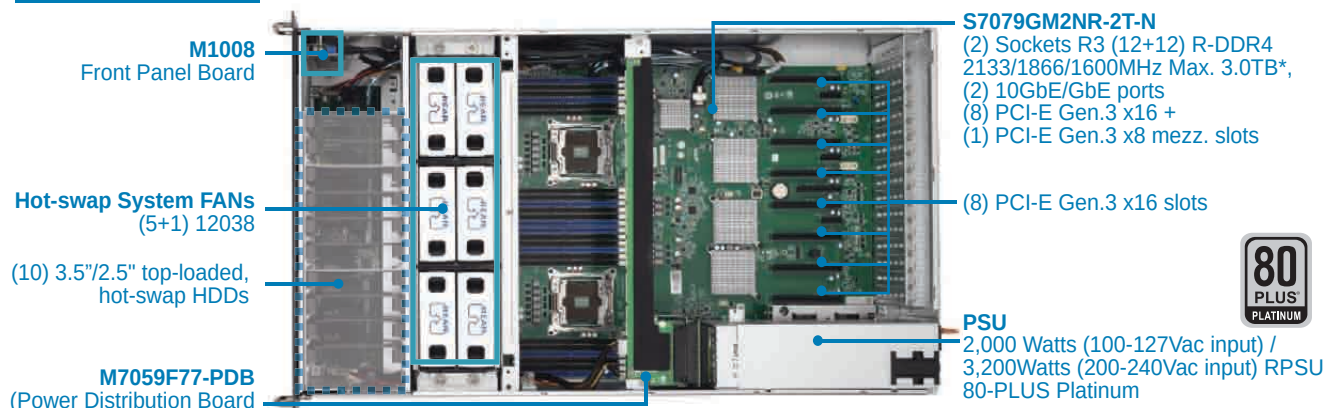
- Dual LGA2011 socket supports (2) E5-2600 v3/v4 series processors
- Intel® C612 PCH
- (12+12) DDR4 DIMM slots RDIMM 2400/2133/1600; LRDIMM/LRDIMM 3DS 2400/1866
 - * Up to 2400 speed support only w/E5-2600 v4
 - Support up to 512GB RDIMM/1,024GB LRDIMM/2,048GB LDRIMM 3DS
 - *Follow latest Intel® DDR4 Memory POR
- (8) Full-Height/ Full-Length PCI-E Gen3 x16 slots
 - (1) Full-Height/ Full-Length PCI-E Gen3 x8 slot
 - (1) Full-Height/ Full-Length PCI-E Gen3 x8 slot for Mezz card
 - (3) Full-Height/ Full-Length PCI-E Gen2 x1 slots
- (10) Hot-swap 3.5"/2.5" SATA/SAS 6G HDDs
- (2) 10GbE (via Intel® X540-AT2) (-2T SKU)
- (2) GbE (via Intel® I350-BT2)"
- Onboard BMC w/ IPMI and iKVM support
- (2+1) 2,000 Watts (100-127Vac input) / 3,200Watts (200-240Vac input) RPSU, 80-PLUS Platinum

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Specifications

Top View



System	Form Factor	4U Rackmount
	Chassis Name	FT77C
	Dimension (H x W x D)	30.31" x 17.24" x 6.93" (770 x 438 x 176mm)
	Motherboard	S7079GM2NR-2T-N S7079GM2NR-N
	Gross Weight	35 kg
Front Panel	Buttons	(1) RST / (1) ID / (1) PWR w/ LED
	LEDs	(1) HDD / (2) LAN / (1) ID / (1) IPMI/Warning
	I/O Ports	(2) USB ports
Internal Drive Bay	Type / Q'ty	3.5"/2.5" Hot-Swap / (10)
	HDD backplane support Interface	SAS / SATA 6.0Gb/s
System Cooling Configuration	FAN	(5+1) hot-swap 12cm fans
Power Supply	Type	RPSU
	Input Range	100-127V AC/8A 200-240V AC/ 4A
	Efficiency	80-PLUS Platinum
	Output Watts	2,000 Watts (100-127Vac input) 3,200 Watts (200-240Vac input)
	Redundancy	2+1
Processor	Supported CPU Series	Intel® Xeon® Processor E5-2600 v3/v4 series
	Socket Type / Q'ty	LGA2011/ (2)
	Thermal Design Power (TDP) wattage	Max up to 145W
	System Bus	Up to 9.6/ 8.0/ 6.4 GT/s with Intel® QuickPath Interconnect (QPI) support
Chipset	Chipset	Intel® C612
	Super I/O	-
Memory	Supported DIMM Qty	(12)+(12) DIMM slots
	DIMM Type / Speed	RDIMM DDR4 2400/2133/1600 / LRDIMM DDR4 2400/1866 / LRDIMM 3DS DDR4 2400/1866 (*Up to 2400 speed support only w/E5-2600 v4)
	Capacity	Up to 512GB RDIMM/ 1,024GB LRDIMM/ 2,048GB LRDIMM 3DS *Follow latest Intel DDR4 Memory POR
	Memory channel	4 Channels per CPU
	Memory voltage	1.2V
	PCI-E	(8) Full-Height/ Full-Length PCI-E Gen3 x16 slots (1) Full-Height/ Full-Length PCI-E Gen3 x8 slot (1) Full-Height/ Full-Length PCI-E Gen3 x8 slot for Mezz card (3) Full-Height/ Full-Length PCI-E Gen2 x1 slots
Expansion Slots	Pre-install TYAN Riser Card	M2210-L8-1F, PCI-E Gen3 x8 slot (left)

LAN	Port Q'ty		(2) 10GbE RJ-45 (1 port shared with IPMI) (-2T SKU) (2) GbE RJ-45 (1 port shared with IPMI)
	Controller		Intel® X540-AT2 (-2T SKU) Intel® I350-BT2
Storage	SATA	Connector	(2) Mini-SAS (8-ports) + (2) SATA (totally support 10 ports)
		Controller	Intel® C612
		Speed	6.0 Gb/s
		RAID	RAID 0/1/10/5 (Intel RST)
Graphic	Connector type		(1) Display/USB 2.0 port
	Resolution		Up to 1920x1200
	Chipset		Aspeed AST2400
Input /Output	USB		(2) USB3.0/2.0 ports (at front)
	COM		N/A
	VGA		(1) Display/USB2.0 port (via a dongle cable)
	RJ-45		(2) GbE ports (1 port shared with IPMI)
	SFP+		N/A
System Monitoring	Chipset		Onboard Aspeed AST2400
	Voltage		Monitors voltage for CPU, memory, chipset & power supply
	Temperature		Monitors temperature for CPU & memory & system environment
	LED (On system front panel)		Over temperature warning indicator / Fan & PSU fail LED indicator
	Others		Watchdog timer support
Server Management	Onboard Chipset		Onboard Aspeed AST2400
	AST2300 iKVM Feature		24-bit high quality video compression / 10/100 Mb/s MAC interface
BIOS	Brand / ROM size		AMI / 16MB
	Feature		SMBIOS 2.7/PnP/Wake on LAN / ACPI 3.0/PXE boot
Operating System	OS supported list		Please refer to our Intel 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
RoHS	RoHS 6/6 Complaint		Yes

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

MiTAC Computing Technology Corp
TYAN Business Unit

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

Taiwan
Tel: +886-3-327-5988
Fax: +886-3-327-6312

China
Shanghai Tel: +86-021-61431188 #1361
China Tel: +86-010-62381108 #2485

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

EMEA
Tel: +44 07540328523
Email: robin.daunter@tyan.com