

## DUAL-SOCKET 4GPGPU PLATFORM



# TA77-B7061

B7061T77W8HR



### Front View



(8) hot-swap 2.5" SAS/SATA 6G HDDs

### Back View



- (4) Double-width, Full-Size PCI-E x 16 slots for GPU deployment
- (1+1) hot-swap 1.6KW RPSU, 80+ Platinum
- (1) PCI-E x8 slots for FH/ HL high-speed I/O adapter

## 2U Dual-Socket Server Implementation for GPGPU and HPC Applications

- Dual LGA2011 socket supports Intel Xeon Processor E5-2600/E5-2600 v2 Series CPU
- Intel® C602 PCH
- (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 )
- (4) Full-Height/ Full-Length PCI-E Gen3 x16 slots support (4) Double-deck GPU adapters
- (1) Full-Height/ Half-Length PCI-E x8 slots
- (8) hot-swap 2.5" SAS/SATA 6G HDDs (LSI SAS2308)
- (2) GbE + (1) dedicated for IPMI
- Onboard BMC w/ IPMI and iKVM support
- (1+1) Redundant, ERP1U high-efficiency 1,600W PSU w/ PFC, 80 plus Platinum Certified

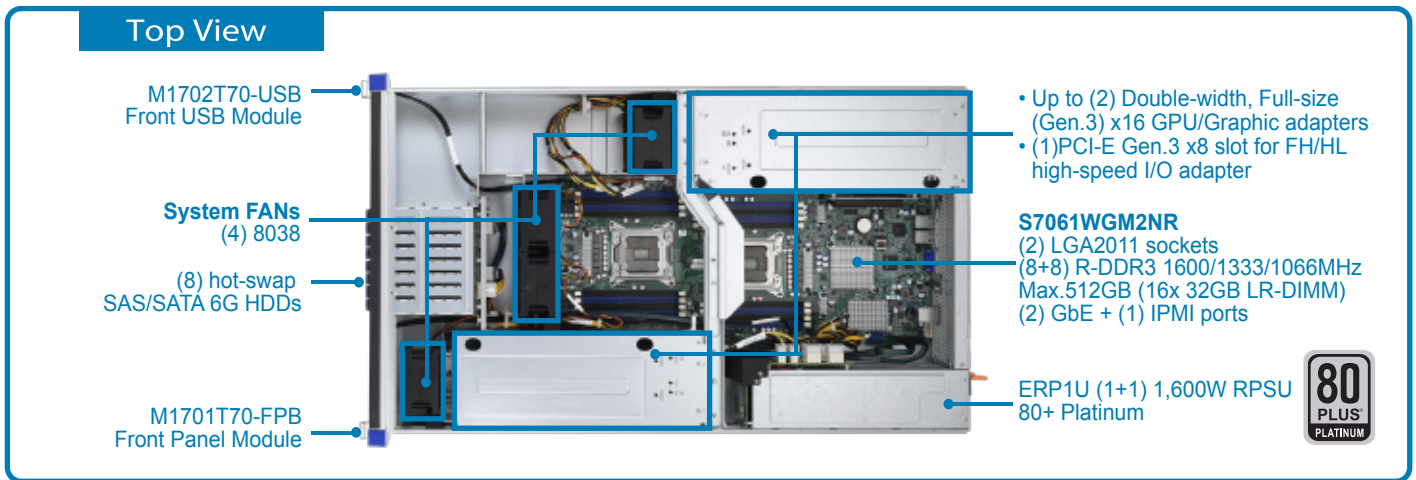


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Specifications



System (Recommend Chassis)	Form Factor	2U Rackmount
	Chassis Name	TA77
	Dimension (H x W x D)	30.31" x 17.32" x 3.43" (770 x 440 x 87mm)
	Motherboard	S7061WGM2NR
	Gross Weight	17KG
Front Panel	Buttons	(1) PWR (w/ LED) / (1) RST / (1) ID
	LEDs	(1) ID / (1) IPMI/Warning
	I/O Ports	(2) USB ports
External Drive Bay	Type / Q'ty	2.5" Hot-Swap / (8)
	Supported HDD Interface	SAS / SATA 6.0Gb/s
System Cooling Configuration	FAN	(4) 8cm fans
Power Supply	Type	ERP1U
	Efficiency	PFC / 80 plus Platinum
	Redundancy	1+1
	Input Range	200-240V AC/9.5A
	Output Watts	1600 Watts
Processor	Supported CPU Series	Intel® Xeon® Processor E5-2600/E5-2600 v2
	Socket Type / Q'ty	LGA2011 / (2)
	Average CPU Power (ACP) wattage	Max up to 130W
	System Bus	Up to 8.0/ 7.2/ 6.4 GT/s with Intel QuickPath Interconnect (QPI) support
Chipset	Chipset	Intel® C602
	Super I/O	-
Memory	Supported DIMM Qty	(8)+(8) DIMM slots
	DIMM Type / Speed	UDIMM/RDIMM/LRDIMM ECC 1066/1333/1600/1866 *Speed 1866 only for 1 slot per channel 1.5V (Blue color DIMM slot)
	Capacity	up to 128GB UDIMM / 256GB RDIMM / 512GB LRDIMM
	Memory channel	4 Channels per CPU
	Memory voltage	1.5V/ 1.35V
Expansion Slots	PCI-E	(4) PCI-E Gen3 x16 slots (1) PCI-E Gen3 x8 slots
	Pre-install TYAN Riser Card	M2091-R, PCI-E x16 1U riser card (right) / M2207-R32-2F, PCI-E x16 riser card (right) / M2208-L32-2F, PCI-E x16 riser card (left)
	LAN	(2) GbE ports + (1) dedicated for IPMI
LAN	Controller	Intel® I350-AM2 + Realtek® RTL8201

Storage	SAS	Controller	LSI® SAS2308
		Speed	6.0 Gb/s
		RAID	RAID 0/1/1E/10 (LSI Integrated RAID)
Graphic	Connector type	D-Sub 15-pin	
	Resolution	up to 1920 x 1200	
	Chipset	Aspeed AST2300	
Input /Output	USB	(4) ports (2 at front, 2 at rear)	
	VGA	(1) D-Sub 15-pin VGA port	
	RJ-45	(3) ports (1 dedicate port for IPMI)	
System Monitoring	Chipset	Aspeed AST2300	
	Voltage	Monitors voltage for CPU, memory, chipset & power supply	
	Temperature	Monitors temperature for CPU & memory	
	LED	Fan fail LED indicator / Over temperature warning indicator / Fan & PSU fail LED indicator	
System 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 / 10/100/1000 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	
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 Compliant	Yes	

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

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

