

HIGH-DENSITY 1U SERVER PLATFORM



YR190-B7058-X2

B7058Y190X2-045SV4H / B7058Y190X2-045GV4H



Front View



- 1U w/ 2x dual-socket computing nodes implementation
- (4) Hot-Swap 2.5" HDD carriers included

Back View



- (1) HH/HL PCI-E (G3) x16 slot each node

High-Density 1U dual-socket SMP server implementation for IPDC and enterprise virtualization applications

- Dual LGA2011 socket supports (2) Intel® Xeon® Processor E5-2600/E5-2600 v2 Series
- Intel® C602 PCH
- (4+4) 240-pin UDIMM/RDIMM/LRDIMM ECC 1066/1333/1600/1866
*Speed 1866 only for 1 slot per channel 1.5V(Blue color DIMM slot)
- (1) HH/HL PCI-E (G3) x16 slot each node
- (4) hot-swap 2.5" SAS/SATA 6G HDDs
- (2) GbE + (1) dedicated for IPMI
(via Intel® I350-AM2 + via Realtek® RTL8201EL)
- Onboard BMC w/ IPMI and iKVM support

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TYAN
Specifications

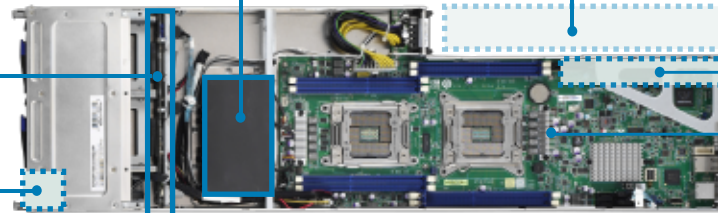
Top View



Easy-swap System FANs
(3) 4056

M7018-BP-SG
4-port SAS/SATA 6G
HDD backplane board

M1706G62-FPB
Integrated front panel board



ERP1U 450W cold-swap PSU
80-plus Silver / 80-plus Gold

M7018-R16-1L
Provide (1) HH/HL
PCI-E (Gen. 3) x16 slot

S7058GM2NR
(2) LGA2011 sockets (R)
(4+4) R-DDR3
1066/1333/1600/1866MHz
Max.256GB , (2) GbE ports

System	Form Factor	1U Rackmount
	Chassis Name	YR190
	Dimension (H x W x D)	28.74" x 17.32" x 1.72" (730 x 440 x 43.6mm)
	Motherboard	S7058GM2NR
	Gross Weight	17KG
Front Panel (per blade)	Buttons	(1) RST / (1) PWR / (1) ID
	LEDs	(1) BMC / (2) LAN / (1) HDD / (1) PWR / ID LED
	I/O Ports	(2) USB ports
External Drive Bay (per blade)	Type / Q'ty	2.5" Hot-Swap / (4)
	Supported HDD Interface	SAS / SATA 6.0Gb/s
System Cooling Configuration (per blade)	FAN	(3) 4056 fans
	Type	ERP1U
Power Supply (per blade)	Input Range	100-127V /8A, 200-240V/ 4A
	Output Watts	450 Watts
	Efficiency	80-plus Silver (B7058Y190X2-045SV4H SKU) 80-plus Gold (B7058Y190X2-045GV4H SKU)
Processor (per blade)	Supported CPU Series	Intel® Xeon® Processor E5-2600/E5-2600 v2 Series
	Socket Type / Q'ty	LGA2011 / (2)
	Thermal Design Power (TDP) wattage	Max up to 130W 6/8 core CPU
	System Bus	Up to 8.0/ 7.2/ 6.4 GT/s with Intel QuickPath Interconnect (QPI) support
Chipset (per blade)	Chipset	Intel® C602
	Super I/O	-
Memory (per blade)	Supported DIMM Qty	(4)+(4) DIMM slots
	DIMM Type / Speed	LRDIMM ECC 1066/1333/1600/1866 memory
		R-DDR3 ECC 1066/1333/1600/1866 memory
		U-DDR3 ECC 1066/1333/1600/1866 memory
	Capacity	Up to 64GB UDIMM / 128GB RDIMM / 256GB LRDIMM
	Memory channel	4 Channels per CPU
Expansion Slots (per blade)	Memory voltage	1.5V/ 1.35V
	PCI-E	(1) PCI-E Low-Profile Gen.3 x16 slot
	Pre-install TYAN Riser Card	M7018-R16-1L, 1U PCI-E x16 riser card (right)

LAN (per blade)	Port Q'ty	(2) GbE ports + (1) dedicated for IPMI
	Controller	Intel® I350-AM2 + Realtek® RTL8201EL
Storage (per blade)	SATA	Connector (4) SATA
		Controller Intel® C602
		Speed 3.0 Gb/s
	RAID	RAID 0/1/10/5 (Intel RSTe 3.x)
Graphic (per blade)	Connector type	Display Port(consolidating VGA and 2 x USB2.0 signal)
	Chipset	Aspeed AST2300
Input /Output (per blade)	USB	(2) ports (2 at front)
	VGA	(1) Display Port(consolidating VGA and 2 x USB2.0 signal)
	RJ-45	(3) ports (1 dedicate port for IPMI)
System Monitoring (per blade)	Chipset	Aspeed AST2300
	Voltage	Monitors temperature for CPU & system environment
	LEDs	Fan fail LED indicator / Over temperature warning indicator
System Management (per blade)	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 Mb/s MAC interface
BIOS (per blade)	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 /
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 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