

High-Density Server Platform



YR188-B537M

B537MY188S2



■ Front View



■ Back View



Best 1U dual-node server implementation for IPDC and enterprise environment

- 1 Single LGA771 socket support (1) Intel®Quad-Core/ Dual-Core Xeon®5400/5200 series processors
- 1 Support FSB 1333/1066MHz
- 1 Intel®5100 MCH
- 1 Intel®ICH9R South Bridge
- 1 (8) 240-pin DDR2 DIMM slots support up to 32GB R-DDR2 667/533MHz w/ ECC memory
- 1 (1) Low-Profile PCI-Ex16 slot
- 1 (2) GbE LAN
- 1 (4) Hot-swap 2.5" SATA-II HDDs w/ RAID 0, 1, 10, 5 support
- 1 (Opt.) TYAN SMDCM3296 w/ IPMI and iKVM support
- 1 (1) ERP1U 450W PSU w/ PFC

Why TYAN[®] Yellow River?

Superior to other high density ones



Light Weight
Low as 7.3kg per node (YR170)



High Efficiency
Lowest power-consuming server in the world (YR170)



Expandability
Extraordinary node expandability



Power Redundancy
Redundant power supply support (YR290)



Serviceability
Modular and removable capability



Manageability
Standard IPMI / iKVM onboard



High Availability
No impact on neighborhood when out-of-service



Node Flexibility
Node Mix-n-Match, the adjacent node in one YR frame enclosure can be different platforms

System	Form Factor	1U Rackmount
	Chassis Name	YR188
	Dimension (H x W x D)	1.72" x 17.26" x 28.74" (43.6 x 438.5 x 730mm)
	Motherboard	S537MG2NR
Front Panel (per node)	Gross Weight	18kg
	Buttons	(1) RST / (1) ID / (1) PWR
	LEDs	(1) Power / (1) BMC / (2) LAN / (1) HDD
External Drive Bay (per node)	I/O Ports	(2) USB ports
	Type / Q'ty	2.5" Hot-Swap / (4)
System Cooling Configuration (per node)	Supported HDD Interface	SATA-II 3.0Gb/s
	FAN	(3) 4056 fans
Power Supply (per node)	Type	ERP1U
	Input Range	Full-range AC(100-240V)
	Frequency	47 - 63 Hertz
	Output Watts	450 Watts
Processor (per node)	Efficiency	PFC
	Supported CPU Series	Intel® Xeon® processor 5400/5200 series
	Socket Type / Q'ty	LGA771
Chipset (per node)	Thermal Design Power (TDP) wattage	80W
	System Bus	FSB 1333/1066MHz
	MCH / ICH	Intel 5100 / ICH9R
Memory (per node)	Super I/O	Winbond W83627DHG
	Supported DIMM Qty	(8) DIMM sockets
	DIMM Type / Speed	DDR2 667/533 RDIMM
	Capacity	Up to 32GB RDIMM
Expansion Slots (per node)	Memory channel	2 Channels
	Memory voltage	1.5V
	PCI-E	(1) PCI-E Low-Profile x16 slot
LAN (per node)	Pre-installed TYAN Riser Card	M2087-R, PCI-E x16 1U riser card (right)
	Port Q'ty	(2)
	Controller	Intel 82571EB

Storage (per node)	SATA	Controller	ICH9R
		Speed	3.0 Gb/s
		RAID	RAID 0/1/10/5 (Intel® Matrix RAID)
Graphic (per node)	Connector type		D-Sub 15-pin
	Resolution		1600x1200@75Hz
	Chipset		XGI Volari™ Z9s
I/O Ports (per node)	USB		(4) ports (2 at front, 2 at rear)
	COM		(1) DB-9 port
	VGA		(1) D-sub port
	RJ-45		(3) ports
System Monitoring (per node)	Chipset		Winbond W83793G
	Voltage		Monitors voltage for CPU, memory, chipset & power supply
	Temperature		Monitors temperature for CPU & system environment
	LED		Fan fail LED indicator Over temperature warning indicator
Server Management (per node)	Others		Watchdog timer support
	TYAN SMDC	M3296 (IPMI v2.0 compliant w/ iKVM)	
BIOS (per node)	Brand / ROM size		AMI / 4MB
	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
Operating System	OS supported list	Please refer to our 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 Compliant	Yes	

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