

ReliaCOR 55-10

1U SERVER - 1U Intel Xeon - RAID - Redundant



- 1U, 19" Rackmount, Shallow Depth
- Removable RAID Storage with Supercap Backup
- Many PSU Options: AC, DC and Redundant AC, DC
- Intel Xeon 6 6300 Series CPU
- Server Class Storage (up to 980TBW / 3.000.000h MTBF Disks)

Features

Shallow Depth : 500mm depth, ideal for space constrained rack and cabinet installations

Power Efficient : Typical power consumption under 100W

Server Class CPU : Supporting one Intel Xeon 6 Series 6300 CPU for intensive workloads

RAID Storage : RAID controller with backup

Server Class Storage : Data disks with up to 9680 TBW / 3.000.000h MTBF

Redundant Power : Options for AC, DC and AC, DC redundant power input

Longevity of Supply : Up to 7 year supply longevity

Description

The ReliaCOR 55-10 is a 1U, rackmount server that offers Xeon 6 Series 6300 performance in a very shallow depth enclosure without compromising on features: it provides removable RAID storage with backup and up to 4 disks, and PSU options for AC and DC input, with or without redundancy.

The hardware RAID controller offers superior data protection thanks to a supercap powered backup, removing the need for periodic maintenance that is typical of battery-based solutions and dramatically decreasing the cost of operating the device; additional reliability features include:

- Server class disks, rated for up to 9680 TBW and 3.000.000 hours MTBF
- ECC RAM
- Optional redundant power supplies.

Designed for deployment in compact racks and cabinets, the ReliaCOR 55-10 is only 500 mm deep and it provides an excellent operating temperature ranging up to 50C, significantly above the typical limit for this class of systems.

The ReliaCOR 55-10 features an Intel Xeon 6 Series 6300 CPU, a large memory with up to 128GB ECC and great networking capabilities, with 2x 10/5/2.5/1GbE ports and 4x GbE interfaces, making it ideal for supporting virtualization environments, like Proxmox VE and the VMware ESXi Hypervisor.

The ReliaCOR 55-10 also offers 6x external USB ports (2x on the front panel) and 2x internal USB ports, to support both easy maintenance/installation and high bandwidth add-ons; remote management is very complete thanks to a BMC with a dedicated 1GbE interface.

The ReliaCOR 55-10 is ideal for applications where a long life cycle is a must, offering up to 7 years of supply chain longevity.

Eurotech configuration management service allows fine tuning the ReliaCOR 55-10 to meet and exceed your project requirements; examples of personalized configurations include customer branding (with logo and custom colors) and can go to deep customization with a range of options for project specific requirements (such as choice of internal components, etc.): call us for more information on configuration management options.

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Ordering Code: RECOR-55-10-XX-01						
Hardware Configuration (-XX)		-10		-11	-20	-21
PROCESSOR	CPU	Intel Xeon 6, 6369P				
	Cores	8 Cores				
	Threads	16 Threads				
	Frequency	3.3GHz, Up to 5.7 GHz				
CHIPSET	Model	Intel C266				
MEMORY	RAM	64GB DDR5 5600 ECC				
STORAGE	RAID Controller	HW Raid Controller, 8x SAS/SATA Interfaces - Includes Supercap Backup Feature				
	Internal (Group 1)	No Disks	2x 2.5" 512GB SSD, SATA		No Disks	2x 2.5" 512GB SSD, SATA
	Removable (Group 2)	3x 2.5" 2TB SSD, SATA, Hot-Swappable, Supports up to 4 Disks - Disk Rating: up to 9680 TBW, up to 3.000.000h MTBF				
I/O INTERFACES	10GbE Ethernet (Rear)	2x 10/5/2.5/1GbE, RJ45				
	Ethernet (Rear)	4x GbE, RJ45				
	Ethernet - BMC (Rear)	1x GbE, RJ45 (Management LAN, BMC)				
	USB (Front)	2x USB 3.2 Gen1 Type A				
	USB (Rear)	2x USB 3.2 Gen2 Type A; 2x USB 3.2 Gen1 Type A				
	USB (Internal)	2x USB 2.0				
	Serial	1x RS-232/422/485 (DB9)				
VIDEO OUTPUT	DisplayPort	1x DisplayPort 1.1a				
CYBERSECURITY (HW)	TPM	fTPM 2.0 (Dedicated Chip Option, not Included)				
POWER	Input	300W, AC Redundant Power Supply (90-264VAC)			300W, 48VDC Redundant PSU (-36 to 72VDC)	
ENVIRONMENTAL	Operating Temperature	0°C to +50°C				
	Storage Temperature	0°C to +70°C				
	Relative Humidity (Non-considering)	5 to 95%				
	Vibration	0.01" Double Amplitude Peak to Peak 5:55Hz				
	Shock	20g x 11ms (Half Sine)				
CERTIFICATIONS	Regulatory	CE				
	Environmental	RoHS3 & REACH				
	Ingress	IP20				
MECHANICAL	Enclosure	Material: Metal; Color: Black				
	Dimensions (WxHxD)	1U Rackmount - 483 (W) x 44 (H) x 500 (D) mm				

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