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MR-330 Network Acceleration Appliance

1U Network Platform Based on the Cavium OCTEON Network Processor

Cost Effective Performance

The MR-330 is a low cost high performance system centered around the Cavium OCTEON CN5020. It targets intelligent broadband networking, control plane, and storage application markets.

The MR-330 is adaptable to a range of security and network applications such as small business gateway, secure router, QOS or dedicated end-point VPN.

Low Power Consuming Cavium
The Cavium OCTEON CN5020 is a very low power consuming chip that offers tremendous processing power for targetted application performance

Marvell Network Controls
Using Marvell NICs, the MR-330 offers users high speed networking. The MR-330 comes with 2 Combo ports and a 4 port switch allowing the platform to be positioned as an appliance with multiple uses.

Mini-PCI Expansion Slot
An added expansion slot give end-users choices a slot to add customized functionality. Depending on deployment scenarios, the MR-330 mini-PCI can be equipped with an acceleration card or other modules.

Lanner Customizability
As a hardware manufacturer, Lanner offers over 25 years of custom designed hardware. Customers can utilize this experience to come up with their perfect appliance.

FEATURE	DESCRIPTION	
Form Factor		1U Rackmount
Platform	Processor	Cavium OCTEON Plus CN5020-700
	Flash	Support 8MB NOR Flash
System Memory	Technology	DDR2 533 MHz
	Max Capacity	1GB
	Socket	Onboard
OS Support		Linux
Storage	HDD Bay(s)	1 x 2.5"
	Storage Interface	1 x Serial ATA, 1 x CompactFlash
Networking	Ethernet Port Density	2 x Combo Ports, 1 x 4 Port GbE Switch
	Controller	2 x Marvell 88E1111, 1 x Marvell 88E6161
I/O Interface	Console	1 x DB9
	USB 2.0	1 x USB 2.0
Expansion	PCI	1 x Mini PCI
Enviromental Parameters	Temperature, ambient operating / storage	0°C ~40°C / -20°C~70°C
	Humidity (RH), ambient operating / ambient non-operating	5 ~ 90%, non condensing / 5 ~ 95%, non condensing
Cooling	Processor	1U CPU passive heatsink
	System	1 x Fan
Physical Dimensions	Dimensions (W x D x H)	431 x 277 x 44mm
	Weight	3.5kg
Power	Type / Watts	100W ATX FSP (AT Mode Only)
Approvals & Compliance		CE Emission, FCC Class A, ROHS
Ordering Information	MR-330	1U Cavium OCTEON Plus CN5020 System

The Angled View of the MR-330.

About Lanner
Founded in 1986 and publicly listed (TAIEX 6245) since 2003, Lanner Electronics Inc. is an ISO 9001/2008 certified designer and manufacturer of reliable, frontline network security, network infrastructure and applied computing platforms. With headquarters in Taipei, Taiwan and branches in the U.S. and China, Lanner is uniquely positioned to deliver custom technical solutions with localized, value-added service.

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