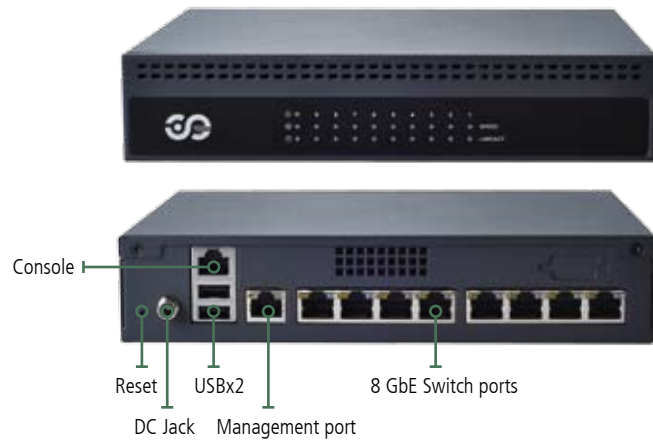


MR-326

Desktop Network Processor Platform with Cavium OCTEON® II CN60XX CPU



Features

Compact Design

Engineered for applications with limited space, this product has dimensions that permit deployment in small cabinets, machinery, and almost any place necessary. Despite its small size, it has 8 GbE ports.

Management port option

MR-326 SKU A and SKU B includes one management port for out-of-band remote management.

On-board 1GB ECC Memory

MR-326 supports Error Correcting Code(ECC) memory technology, a server-grade memory technology that can identify and correct memory corruption automatically. With ECC, system performance is more secure and stable.

Cavium OCTEON

The Cavium OCTEON family of Multi-Core MIPS64 processors is a scalable, high-performance, and low-power solution for intelligent networking applications. These software-compatible processors, integrate next-generation networking I/Os along with the most advanced security, storage, and application hardware acceleration, offering throughput and programmability for the Layer 2 through Layer 7 processing requirements of intelligent networks.



Preliminary Specifications

Form Factor	Desktop	
Platform	Processor Options	Octeon II CN6010 (600MHz,3.6W) Octeon II CN6020 (800MHz,6.5W)
	OS Support	Linux Kernel 2.6 or above
Flash Memory	Boot Flash	2MB NOR Flash memory for booting
	Extra Flash	N/A
System Memory	Technology	DDR3 ECC Onboard
	Max. Capacity	1GB
	Socket	Onboard
Storage	HDD Bays	Optional 2.5" HDD kit
	CF/SD	1 x Type II CompactFlash
Networking	Ethernet Ports	8x GbE RJ-45 Switch ports
	Bypass	Reserved for ODM/OEM only
	Controllers	1x Switch Vitesse VSC7420e
	Ethernet Modules	N/A
I/O Interface	Management Port	1x Marvell 88E1111 (For SKU A/B only)
	Reset Button	Yes
	Console	1 x RJ45
	USB	2 x USB 2.0
Expansion	PCIe	N/A
	PCI	N/A
Cooling	Processor	Passive heatsink
	System	1x System Fan
Environmental Parameters	Temperature, ambient operating / storage	0 ~ 40° C / -20~70° C
	Humidity (RH), ambient operating / ambient non-operating	5~90%, non-condensing
Miscellaneous	LCD Module	N/A
	Watchdog	Yes
	Internal RTC with Li Battery	Yes
Physical Dimensions	Dimensions (WxHxD)	215 x 44 x 190mm
	Weight	TBD
Power	Type / Watts	36W power adapter
	Input	110~240V AC
Approvals and Compliance	CE Emission, FCC Class A, RoHS	

Ordering Information

MR-326A	Octeon II CN6010 + 8 LAN port + 1 Mgmt. port
MR-326B	Octeon II CN6020 + 8 LAN port + 1 Mgmt. port
MR-326C	Octeon II CN6010 + 8 LAN port (w/o Mgmt. Port and Marvell88E1111)