MR-320

Mini Network Platform with Cavium OCTEON Network Processor

Status LEDs

4 x GbE RJ45 Switch Ports

Console   1 x USB   2 x GbE RJ45

tions, making it an extremely stable solution for your most remote locations.

Customized Exterior
Take advantage of Lanner's extensive industrial design experience and customize this appliance to meet your unique branding requirements.

Dimensions: 240 x 30 x 155.5 mm
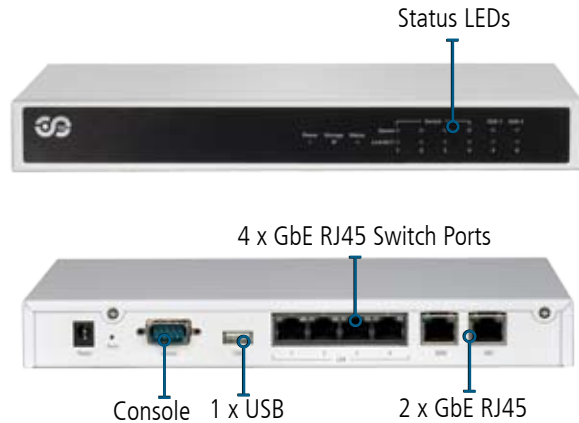
Features

Multiple networking interfaces
Deploy the MR-320 with two Gigabit Ethernet ports and a four port switch.

Cavium OCTEON SOC
The Lanner MR-320 security appliance utilizes the Cavium OCTEON CN30XX/CN50XX SOC processor. Choose between the Cavium OCTEON CN30XX or CN50XX MIPS64 processors for targeted application performance.

Intelligent security
Unique hardware acceleration implements the latest set of algorithms to enable future-proof designs. With integrated security acceleration engines onboard, the

MR-320 is adaptable to a range of security and network applications such as small business gateway, secure router, QOS or dedicated end-point VPN

Validated OS partners and firmware support
Work with Lanner for second-to-none firmware and driver support. Our dedicated team of software engineers makes the transition to MIPS64 as smooth and painless as possible.

Compact and fanless design
The MR-320 is 100% fanless and is constructed using rugged aluminium. It is highly durable, a proven workhorse and is able to withstand extreme condi-
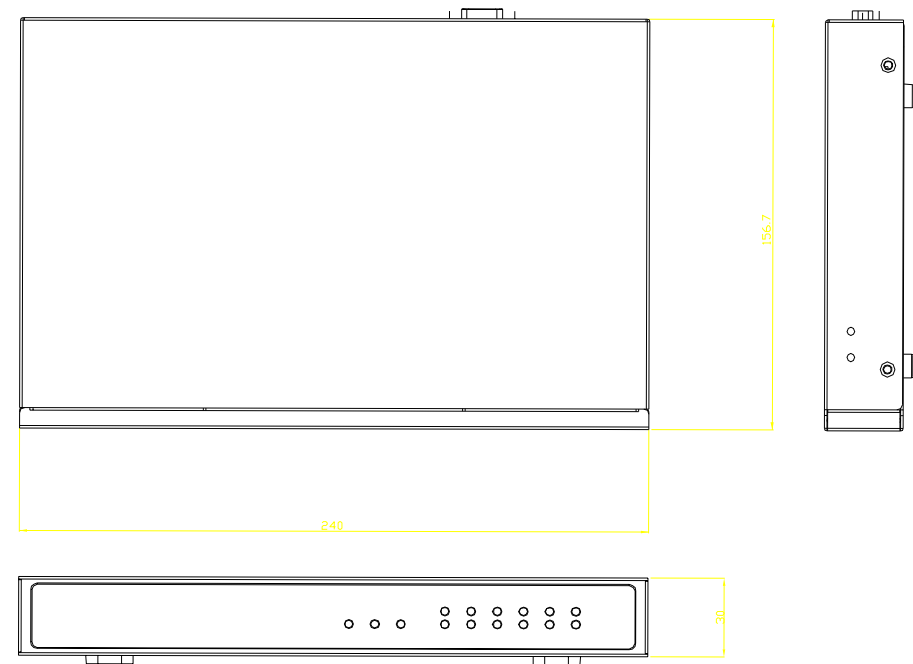
Specifications

Form Factor		Desktop
Platform	Processor Options	Cavium Octeon CN5020 500MHz)
OS Support		Linux OS (Kernel version depends on BSP)
Flash Memory	Boot Flash	64Mbit NAND Flash
	Extra Flash	N/A
System Memory	Technology	DDR2 533MHz 512MB/1GB
	Max. Capacity	1GB
	Socket	Onboard
Storage	HDD Bays	N/A
	CF/SD	1 x Type II CompactFlash
Networking	Ethernet Ports	2 x GbE RJ45 ports 4 x GbE RJ45 switch ports
	Bypass	N/A
	Controllers	Marvell 88E6161 GbE switch Marvell 88E1111
	Ethernet Modules	N/A
	Management Port	N/A
I/O Interface	Reset Button	Yes
	Console	1 x DB9
	USB	1 x USB 2.0
Expansion	PCIe	N/A
	PCI	1 x Mini-PCI, 1 x PCI golden finger
Cooling	Processor	Passive heatsink
	System	Passive
Environmental Parameters	Temperature, ambient operating / storage	0 ~ 40° C / -20~70° C
	Humidity (RH), ambient operating / ambient non-operating	5~95%, non-condensing
Miscellaneous	LCD Module	N/A
	Watchdog	Yes
	Internal RTC with Li Battery	Yes
Physical Dimensions	Dimensions (WxHxD)	240 x 30 x 155.5 mm
	Weight	1.7 kg
Power	Type / Watts	24W power adapter
	Input	100~240V~0.5A,50-60Hz
Approvals and Compliance		CE Emission, FCC Class A, RoHS

Ordering Information

MR-320A	Cavium Octeon CN5020, 512MB fanless desktop appliance
MR-320B	Cavium Octeon CN5020, 1 GB fanless desktop appliance