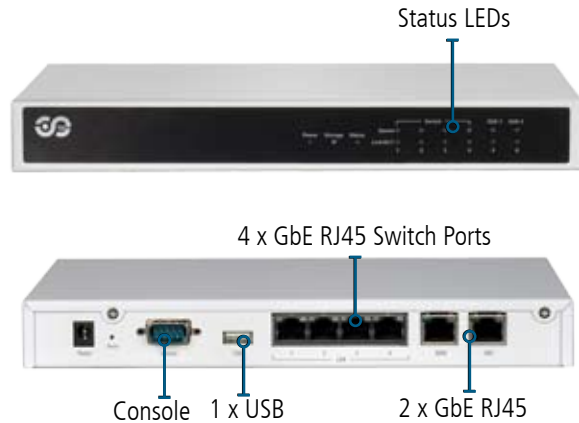


# MR-320

## Mini Network Platform with Cavium OCTEON Network Processor



### 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-

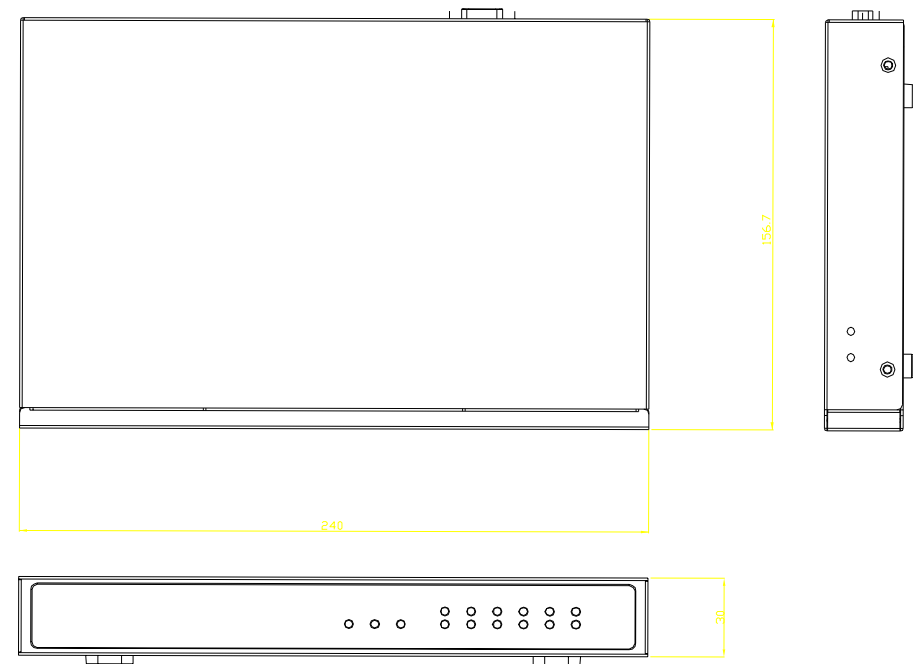
tions, making it an extremely stable solution for your most remote locations.

#### 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 156.7 mm**



## Specifications

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