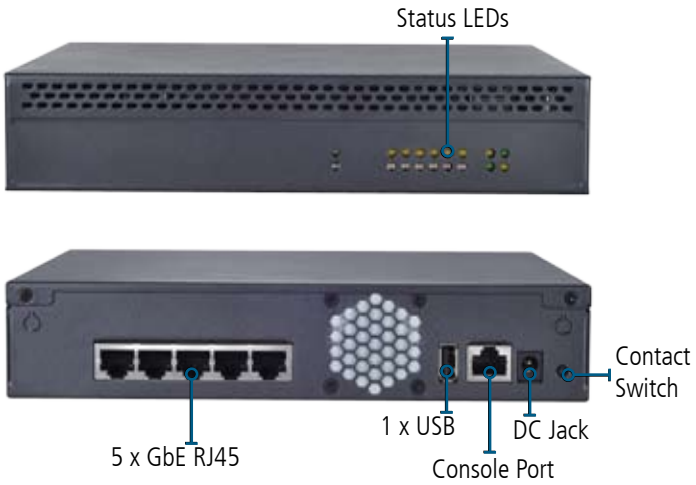
MR-350

High End Security in a Mainstream System



Features

Freescale P1020-533 Dual Core SOC

Freescale based appliances offer TCP/IP acceleration and classification along with IEEE 1588 support. These network processing platforms also increase information throughput by utilizing both lossless flow control, enabling Jumbo Frame support and having both a Reduced Gigabit Media Independent Interface (RGMII) and Serial Gigabit Media Independent Interface (SGMII).

Power e500 Core

With single or dual cores (533MHz), Freescale CPUs offer a 32 L1 I-Cache and 32KB L1 D-Cache for each core and a 256KB L2 Cache with ECC.

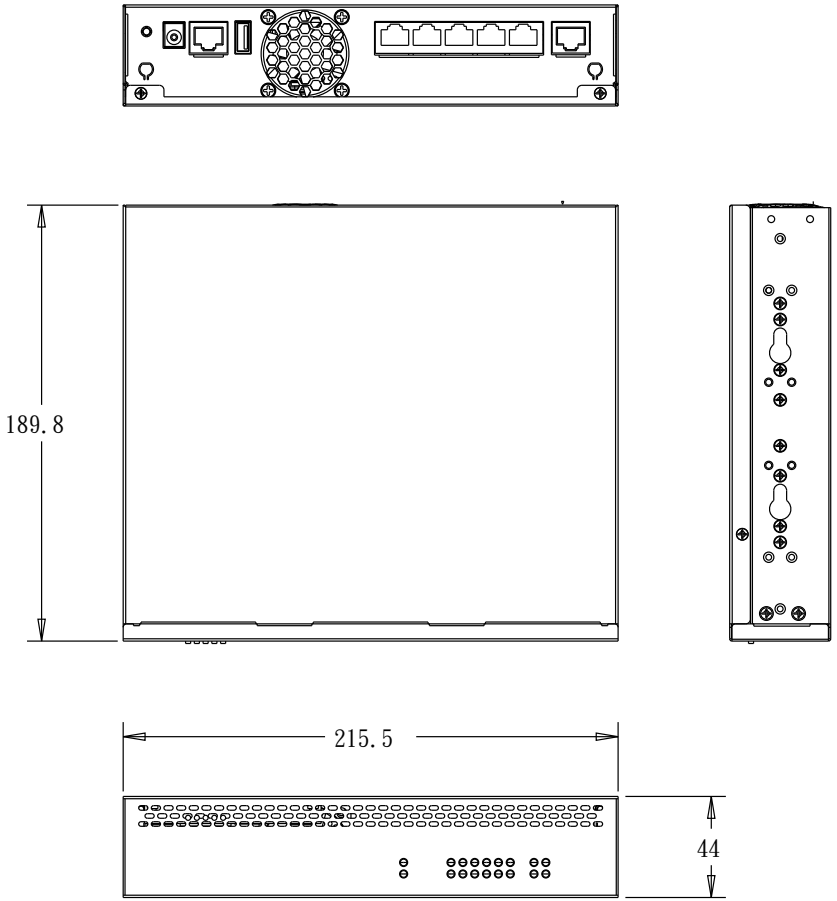
Security Acceleration

Lanner network processing platforms armed with Freescale internal technology offer a multitude of ways to accelerate security protocols. These appliances offer 6 separate ways to decrease CPU processing expenditure: utilizing an advanced encryption standard unit (AESU), a cyclical redundancy check unit (CRCU), a data encryption standard execution unit (DEU), a message digest execution unit (MDEU), a public key execution unit (PKEU) and a random number generator unit (RNGU).

Real Time Clock with LI Battery

All Lanner network appliances feature a real time clock that keeps ticking no matter if it's on or off with the help of a Li battery.

Dimensions: TBD



Specifications are subject to change without notice

Specifications

Form Factor		Desktop
Platform	Processor Options	Freescale P1011/1020 533MHz
	Chipset	Marvell 88E6171R Switch
BIOS		2MB NOR Flash with Bootloader
System Memory	Technology	DDR3
	Max. Capacity	512MB or 1GB
	Socket	Onboard
OS Support		Linux kernel 2.6 and up
Storage	HDD Bays	1 x 2.5" (Optional)
	Flash	256MB Nand Flash
Networking	Ethernet Ports	5 x GbE RJ45
	Bypass	N/A
	Controllers	Marvell 88E6171R Switch
	Ethernet Modules	N/A
	Management Port	N/A
	Security Acceleration	Yes
I/O Interface	Reset Button	1 x Reset button (momentary contact switch)
	Console	1 x RJ45
	USB	1 x USB 2.0
	IPMI via OPMA slot	N/A
Expansion	PCIe	1 x Mini PCI-E expansion slot (MR-350B only)
	PCI	N/A
Cooling	Processor	CPU Heatsink
	System	1 x cooling fan (MR-350B only)
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	N/A
	Internal RTC with Li Battery	Yes
Physical Dimensions	Dimensions (WxHxD)	TBD
	Weight	TBD
Power	Type / Watts	36W Power Adapter
	Input	AC 110~240V
Approvals and Compliance		CE emission, FCC Class A, RoHS, Reach

Ordering Information

MR-350A	MB-350A + FC-350A, P1011 SOC, 512MB RAM
MR-350B	MB-350B + FC-350B, P1020 SOC, 1GB RAM, Mini PCI-e slot