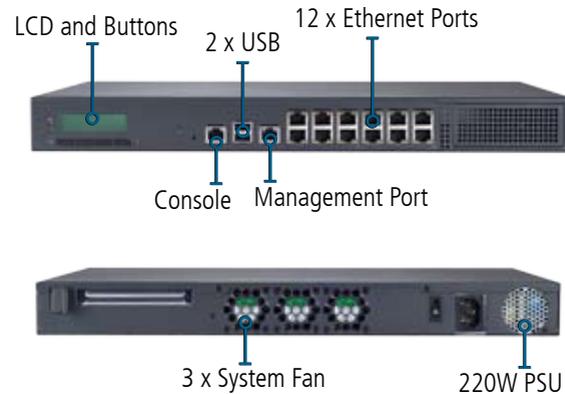


MR-630

1U rackmount network appliance with 10Gbps processing power, and deep packet inspection.



Features

Freescale P2040/P2041

Freescale P2040 quad-core processor, built on Power Architecture® technology, brings high-end architectural features pioneered in the P4 platform into the low-end quad core space, enabling customers to scale software up and down the QorIQ product line.

Freescale P2041 quad-core processor targets UTM security appliances and delivers up to 10Gbps performance in less expensive form factors such as the 1U chassis. The P2041 combines high-end multicore processing engines with features such as hardware virtualisation, cryptography and deep packet inspection technol-

ogy in a single-chip system. In addition, the P2041 operates at 12W power.

Expandable with Lanner Ethernet Modules

Grow performance and bandwidth according to your needs. Lanner's unique modular design allows you to mix and match your networking ports to suit your needs. The MR-630 already comes with 12 Ethernet Ports, one additional module with two 10G SFP+ is available as an option.

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.

Watchdog

The embedded watchdog monitors the system so that it can automatically trigger a reset if software hangs. This is an essential feature of a network appliance.

Uninterrupted Network Traffic

Bypass ports allow users to have uninterrupted network traffic even if a single in-line appliance is shut down or is hung.



Dimensions: 431 x 44.4 x 276 mm

Specifications

Form Factor		1U Rackmount
Platform	Processor Options	Freescale P2040-1.0GHz SOC, up to 1.2GHz Freescale P2041-1.2GHz SOC, up to 1.5GHz
	Chipset	Vitesse VSC7407 Switch Vitesse VSC8512 12 ports PHY Winbond 83793 Super I/O Ricoh RS5C372A-E2-F Marvell 88E1111 Chip
BIOS		2MB NOR Flash with Bootloader
System Memory	Technology	DDR3 1200/1333MHz DIMM
	Max. Capacity	4GB
	Socket	2
OS Support		Linux kernel 2.6 or above
Storage	HDD Bays	1 x 2.5"
	Flash	256MB Nand Flash
Networking	Ethernet Ports	12 x GbE RJ-45
	Bypass	1 pair
	Controllers	VSC7407 Switch VSC8512 PHY Marvell 88E1111 Chip
	Ethernet Modules	1 x NIC Module via 12 x SGMII (Optional)
	Management Port	Yes
	Security Acceleration	Yes
I/O Interface	Reset Button	Yes
	Console	1 x RJ45
	USB	2 x USB 2.0
	IPMI via OPMA slot	N/A
Expansion	PCIe	PCIe x 4 socket for 12 x SGMII interface NIC card Mini PCIe socket onboard
	PCI	N/A
Cooling	Processor	CPU passive heatsink
	System	3 x cooling fans
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	Yes
	Watchdog	Yes
	Internal RTC with Li Battery	Yes
Physical Dimensions	Dimensions (WxHxD)	431 x 44.4 x 276 mm
	Weight	TBD
Power	Type / Watts	220W Single Power Supply
	Input	AC 110~240V
Approvals and Compliance		CE, FCC Class A (EMC), RoHS, Reach

Ordering Information

MR-630A	MB-630A + FC-630, P2040-1.0GHz SOC
MR-630C	MB-630C + FC-630, P2041-1.2GHz SOC