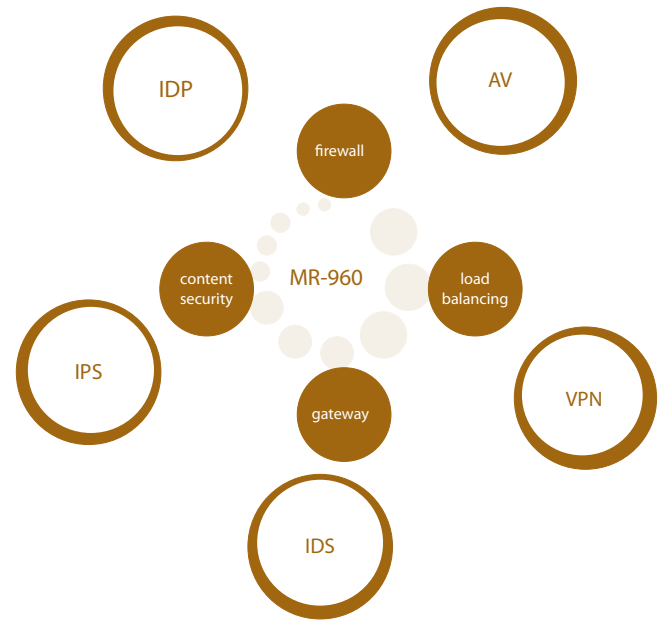


| FEATURE                           | DESCRIPTION  |   |
|-----------------------------------|--|---|
| <b>Form Factor</b>                |  | 19" 2U Rackmount                                    |
|                                   | CPU  | RMI XLR732 Processor                                |
|                                   | Chipset  | PLX PCI bridge 6520                                 |
|                                   |  | Vitesse VSC 7323 10X1G & 10G Ethernet MAC           |
|                                   |  | Vitesse VSC 8224 Quad GigE PHY                      |
|                                   |  | Intel 82541 PI Gigabit Ethernet Controller          |
|                                   |  | Promise PDC40518 SATA Controller                    |
|                                   |  | NEC $\mu$ PD 720101 USB Host Controller             |
| <b>System Memory</b>              | Technology   | DDR-2 533MHz  |
|                                   | Socket   | 240 DIMM x 4  |
|                                   |  | On board Cypress QDRII SRAM 1MX18 (Optional)        |
| <b>Ethernet Interfaces</b>        |  | GbE RJ45 connector x 8<br>GbE SFP connector x 6     |
| <b>Expansion</b>                  | USB 2.0  | 2   |
|                                   | Serial console port                                | Via RJ45 connector x 1<br>Via pin head on board x 1 |
|                                   | PCI-X expansion                                    | 1 (Supports Lannic 1600C L7 accelerator)            |
|                                   | CF   | 1   |
| <b>Storage</b>                    | SATA   | 3   |
| <b>Miscellaneous</b>              | RTC  | Internal RTC with Li battery                        |
|                                   | System Fan   | 1   |
|                                   | LED  | Power x 1<br>Status x 1<br>HDD x 3                  |
| <b>Power</b>                      | Size   | 1+1 Redundant 460W/each                             |
|                                   | Input  | AC 90~264V@47~63Hz full range                       |
|                                   | Output   | +5V 30A, +12V 32A, +3.3V 0-24A                      |
| <b>Environmental Parameters</b>   | Temperature, ambient operating                     | 0°C ~40°C   |
|                                   | Temperature, ambient storage                       | -20°C~70°C  |
|                                   | Humidity (RH), ambient operating and non-operating | 5 ~ 95%, non condensing                             |
| <b>Physical Dimensions</b>        | Dimensions   | 431x400x88 mm (16.97x15.7x3.5 in)                   |
|                                   | Weight   | 7kg (15.4lb)  |
| <b>Approvals &amp; Compliance</b> |  | CE, FCC Class A, RoHS                               |
| <b>Ordering</b>                   | MR-960   | 1GbE with RJ45 connector x 16                       |

The MR-960 is perfectly suited for a wide range of high-performance network communications applications.



### About Lanner

Founded in 1986 and publicly listed (TAIEX 6245) since 2003, Lanner Electronics Inc. is an ISO 9001 certified designer and manufacturer of reliable, frontline security, storage and applied computing platforms and solutions. With headquarters in Taipei, Taiwan and branches in the U.S., India, and China, Lanner is uniquely positioned to deliver custom technical solutions with localized, value-added service.

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# MR-960 Network Communication Appliance

A Multi-Core Multi-Threaded platform based on RMI's XLR™ processor

## Unique virtual CPU core boosts performance

The innovative RMI® XLR™ processor architecture supports up to eight MIPS64®-compatible cores for a total of 32 threads or virtual CPUs (vCPUs™). With multiple threads, the MR-960 more efficiently manages tasks by processing additional data on available threads when a thread is occupied.

This technology reduces latency to dramatically improve overall throughput. For packet processing-intensive applications, a single core can dedicate all processor threads in order to focus resources on a given task.

In addition, the MR-960 combines an extensive range of peripherals, large caches, and accelerated interconnects around its XLR processor to deliver a processing solution optimized for maximum throughput and workload efficiency.

## Extensive Networking Interfaces

Choose from two different networking configurations for greater application flexibility. (See ordering info)

## Memory Management

Dual 72-bit DDRII channels support a maximum of 32GB and an optional 36 bits wide QDRII interface connects with the XLR to allow for simultaneous transactions. Also supports advanced memory data protection providing four times the level of correction over competitive ECC memory systems.

## Virtual CPU

Unique MIPS64-based processor supports up to 32 tightly integrated hardware threads to optimize throughput and reduce latency.

## Integrated Autonomous Security Acceleration Engine (SAE)

Completely offloads encryption/decryption and authentication-related hashing operations from the central processing cores.

## Extensive Integration

Flexible 1 to 10G networking I/O, HyperTransport™, PCI-X, and configurable dual memory controllers allow for easy customization.

