

## LF1004 High-End Multi-Core Rackmount system

The LF1004 is a high-end server chassis capable of sustaining multiple gigabits of ethernet traffic and a large number of VOIP and other high-intensity processes. With two quad-core processors it can handle thousands of concurrent connections, and it's 12GB of RAM allows thousands of processes and very large buffers for WAN latency emulation. To take advantage of the hardware, a 64-bit Fedora Linux distribution is installed.

The specific feature set and capacity is constrained by the software licenses purchased. The hardware can support 200+ concurrent VOIP calls, 5 Gbps of UDP traffic tx + rx between two 10G ports, or several 1G ports running at near line speed.

For additional capacity, multiple LF1004 units can be clustered together.

The LF1004 1U rackmount chassis fits into a standard rack and is about 26 inches deep. It supports standard VGA, Keyboard, and Mouse interfaces for easy console/desktop access to the system. The rackmount chassis is relatively noisy, so it is better for a data center deployment than a desktop environment. Other form factors better suited for traveling or desktop use are also available at similar prices and slightly less performance.



NOTE: This product may have a different hardware configuration than the system pictured above.  
Refer to your official quote for details.

## Hardware Specification

1. High-End Intel dual Multi-Core 1U rackmount server.
  2. Operating System: Fedora 64-bit Linux with customized Linux kernel.
  3. Up to 12 PCIe Intel Pro/1000 10/100/1000 Ethernet ports. Additional 10/100/1000 Ethernet interface for management.
  4. High-availability Ethernet hardware bypass option available.
  5. 2-port 10G fiber or copper CX4 option available.
  6. 1 Intel quad-core processor, 2+Ghz (supports a second processor)
  7. 2 PCIe x8 slots.
  8. 6 GB or more RAM.
  9. 80 GB or larger Hard Drive.
  10. Solid State Drive option available.
  11. Standard US or European power supply (automatically detects EU v/s US power).
  12. Weight: 36 lbs or 16.4 kg.
  13. Dimensions: 17.2 x 25.6 x 1.7 inches (26-inch deep 1U rackmount server) Metric: 437 x 650 x 43 mm.
  14. Estimated Power Usage: 8.5 Amps @ 120 VAC under load, 1.7 Amps idle.
  15. ROHS compliant.
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## Additional Feature Upgrades

Unless otherwise noted in the product description, these features usually cost extra:

- WanPaths (LANforge-ICE feature set)
- Virtual Interfaces: MAC-VLANs, 802.1Q VLANs, WiFi stations, etc
- FIRE Connections: Base FIRE license includes 1000 active connections.
- LANforge-ICE Network Emulation.
- VOIP: Each concurrent call over the included package requires a license.
- **VoIP-Mobile Audio Quality Testing using POLQA/PESQ.**
- **Mobile-Mobile Audio Quality Testing using POLQA/PESQ.**
- Armageddon: Each pair of ports requires a license if not already included.
- **RF Chambers for WiFi testing.**
- External battery pack: 12+ hours for CT520, CT523, CT92X and other platforms.