

LF1011 High-End 2U Multi-Core Rackmount system

The LF1011 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 one quad-core processor it can handle thousands of concurrent connections, and it's 12GB of RAM allows thousands of processes and 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 500+ concurrent VOIP calls, 24 Gbps of UDP traffic tx + rx between two 10G ports, or 10+ 1G ports running at near line speed.

For additional capacity, multiple LF1011 units can be clustered together.

The LF1011 2U rackmount chassis fits into a standard rack and is about 14 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.



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 Multi-Core 2U rackmount server.
 2. Operating System: Fedora Linux with customized Linux kernel.
 3. Up to 16 10/100/1000 Ethernet ports on PCIe bus, 2 32-bit PCI slots for legacy hardware. Additional interface for management.
 4. High-availability Ethernet hardware bypass option available.
 5. Quad-Core Intel processor.
 6. 4 PCIe 1/2 height slots, 2 32-bit pci (legacy) slots.
 7. Optional NICs include: 4-port 10/100/1000 copper, 2-port 10/100/1000 copper, 2-port 1Gbps fibre, 2-port 10Gbps fibre, 2-port 10Gbps copper (CX4).
 8. 3 GB or more RAM.
 9. 200 GB or larger Hard Drive.
 10. Solid State Drive option available.
 11. Redundant 700W US or European power supply (automatically detects EU v/s US power).
 12. Weight: 20.4 lbs or 9.3 kg.
 13. Dimensions: 17 x 18 x 3 inches (18-inch deep standard 2U rackmount server) Metric: 432 x 457 x 76 mm.
 14. Estimated Power Usage: 2.1 Amps @ 120 VAC under load, 1.4 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.