

Enterprise Router™

INDUSTRIAL SERIES ROUTER



Highlights

- Industry's lowest cost OC12 router
- Replaces Cisco 7200, 7500, 7600 and 12000
- Replaces Juniper M5 and M10
- Runs on Linux®
- Dual XEON processors
- Quad 64-bit buses
- Up to 32 Gbps aggregate bus throughput
- Dual 10/100/1000 ethernet ports
- Menu-driven configuration
- Real-time performance monitoring
- Free 24/7 support for 1 year
- 1 year warranty on parts and labor
- 31-day performance guarantee
- Free software upgrades for life

Software

- Enterprise Linux™ router OS
- High-performance Linux kernel
- Scalable SAND™ architecture
- Menu-driven configuration
- Real-time status & performance monitoring
- Automated upgrades
- PPP, Cisco HDLC, frame relay & ATM
- ATM inverse multiplexing (IMA)
- RIP1, RIP2, OSPF, IS-IS & BGP4
- SNMP or NetFlow® monitoring
- IP firewall
- Bandwidth limiting
- Packet filtering
- Port forwarding
- Quality of Service (QoS)
- Interface bond
- Concurrent bridging & routing
- GRE and CIPE tunneling
- Secure telnet (ssh v.2)
- System scheduler
- IPSec VPN
- VRRP
- VLAN tagging
- 1:1 and 1:many NAT
- IPv6

The Enterprise Router™ is ImageStream's Industrial Series flagship. The Enterprise offers premium features including dual XEON® processors, quad 64-bit buses, dual 10/100/1000 ethernet ports, hot-swap cooling fans, and a dual input redundant power supply. The Enterprise can handle the most challenging TCP/IP routing applications as it provides wire-speed performance with multiple T1/E1, DS3/E3, OC3, and OC12 circuits.

The Enterprise includes a steel 5U rackmount chassis, a high-performance industrial computer, error-correcting memory, and a flash disk for rock-solid reliability. The Enterprise is also easy to scale, with twelve 64-bit expansion slots and up to 32 Gbps aggregate throughput across four 64-bit buses.

The 64-bit slots accept ImageStream's Industrial Series WAN and LAN adapters. These add-on cards make it possible for the Enterprise to connect multiple IP networks using 56/64 K DDS, fractional or full T1/E1, DS3/E3, OC3/STM1, OC12/STM4, OC48/STM16, token ring, and ethernet interfaces.

The Enterprise takes advantage of ImageStream's Standard Architecture for Network Drivers (SAND™), which includes modular support for WAN protocols including PPP, Cisco HDLC, frame relay and ATM. SAND also makes it easy to troubleshoot LAN and WAN connections by providing real-time port status and performance monitoring.

The Enterprise is an ideal router for applications that require wire-speed performance with superior scalability and built-in power supply redundancy. The Enterprise supports IP firewall security, IPsec virtual private networking (VPN), QoS and VLAN tagging. It also supports RIP, OSPF and BGP4 for dynamic routing, as well as VRRP for LAN connection failover.

The Enterprise is commonly used by Internet Service Providers (ISPs) as a core router for multihomed networks where dynamic routing is used with high-density T1/E1, multiport DS3/E3, OC3, OC12, and OC48 connections. The Enterprise is an inexpensive router for demanding ISP applications and corporate networks where scalability and redundancy are required.

Specifications

System Hardware:

- Steel 5U rackmount chassis
- Dual XEON® processors
- Quad 64-bit buses with twelve slots
- 512 MB error-correcting memory
- Reliable fixed flash disk
- Dual 10/100/1000 ethernet ports
- Hot-swap chassis cooling fans
- Dual input redundant power supply
- 3.5" floppy drive
- Serial console

Wire-Speed Performance:*

- Up to two OC12s
- Up to three OC3s
- Up to four DS3s or E3s
- Up to 32 T1s or E1s

Dual Input Redundant Power Supply:

- AC Mains Voltage: 100 to 240 VAC
- AC Mains Frequency: 50/60 Hz
- Power Output: 350 W

Dimensions:

- Height: 8.75" (22.2 cm)
- Width: 19" (48.3 cm)
- Depth: 19.5" (49.5 cm)

Weight:

- 45 lbs. (20.5 kg)

LAN Card Options:

- 1, 2 and 4 port gigabit ethernet
- 1 and 4 port 10/100 ethernet
- 1 port token ring

WAN Card Options:

- 1 port POS OC48
- 1 port ATM OC12
- 1 port POS OC12
- 1 port ATM OC3
- 1 port POS OC3
- 1 port ATM DS3/E3
- 1 and 2 port DS3
- 1 and 2 port E3
- 1 and 2 port HSSI
- 1, 2, 4 and 8 port T1
- 1, 2, 4 and 8 port E1
- 1, 2, 4 and 8 port sync serial
- 1 port ADSL, BRI & modem
- 802.11a/b/g wireless

Model Number:

- ER1000 - Base Enterprise Router

"No-Hassle" Return Guarantee:

For 31-days from the date of your purchase, ImageStream guarantees that its products will function as specified, and work in a manner that is compatible with specified equipment and services. During the guarantee period, if a product does not function as specified by ImageStream in a written application brief, sales quote, or product information sheet, and ImageStream cannot resolve the problem through its technical support process, ImageStream will authorize return of the equipment and refund the purchase price upon receipt. Terms apply; see below.

Terms of Warranty & Return Guarantee:

All provisions of the ImageStream Warranty and Return Guarantee are subject to terms that are posted on the ImageStream Web site. Please contact ImageStream to request copies of these documents.

* Notes on Wire-Speed Specifications:

Wire-speed performance is specified following the methods outlined in RFC 2544 using a packet size of 512 bytes. ImageStream publishes wire-speed performance specifications for static routing simultaneously across all specified ports. Wire-speed performance is measured in the laboratory, and real-world performance may be affected by interconnected lines and equipment. Wire-speed performance may also be affected by line conditions, interconnected equipment, and the router's software configuration.



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Note: Terms and specifications are subject to change without notice.

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