

Gateway Router™

INDUSTRIAL SERIES ROUTER



ImageStream's Gateway Router is the industry's lowest cost OC3 router. The Gateway's exceptional performance and scalability make it ideal for core and edge aggregation. The Gateway offers options for redundant AC or DC power, and it delivers wire-speed routing performance with T1/E1, DS3/E3 and OC3/STM1 circuits.

The Gateway includes a steel 4U rackmount chassis, high-performance processor, high-speed error-correcting memory, 12-slot backplane, and one 10/100 ethernet port. It also uses a fixed flash disk with no moving parts to ensure the highest possible reliability.

Each expansion slot accepts Industrial Series network adapters including multiport T1/E1, DS3/E3, and OC3/STM1 cards; one or four port 10/100 and one or two port gigabit ethernet cards (fiber or UTP); and single-port ADSL, basic rate ISDN (BRI), 56K dial-up modem, and 802.11b wireless.

The Gateway 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 Gateway Router is commonly installed in multihomed telco, Internet Service Provider (ISP), and corporate networks where dynamic routing is used with high-density T1/E1, multiport DS3/E3, and OC3 circuits. The Gateway supports firewall security, IPsec virtual private networking (VPN), quality of service (QoS), and VLAN tagging. It also provides VRRP for LAN failover, as well as RIP, OSPF and BGP4 for dynamic routing.

The Gateway is ImageStream's most popular router for price-sensitive core and edge applications that require wire-speed performance, serious scalability and advanced security features in an easy-to-service package. The Gateway makes a great solution for midrange ISP infrastructure and corporate networks that require a high level of security and scalability.

Highlights

- Industry's lowest cost OC3 router
- Replaces Cisco 3600, 3700, 7200 & 7500
- Replaces Juniper M5
- Runs on Linux®
- 1 Gbps backplane with 12 PCI slots
- One 10/100 ethernet port
- Lockable front panel access door
- 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)
- System scheduler
- IPSec VPN
- VRRP
- VLAN tagging
- 1:1 and 1:many NAT
- IPv6

Specifications

System Hardware:

- 4U steel rackmount chassis
- Intel Pentium 4 processor
- (12) 32-bit 33 MHz PCI slots
- 128 MB ECC SDRAM
- Reliable fixed flash disk
- 10/100 ethernet port
- 3.5" floppy drive
- Serial console

Wire-Speed Performance:*

- One OC3
- Up to two DS3s or E3s
- Up to 96 T1s or E1s

Power Supply:

- AC Mains Voltage:
(Selectable as 115 VAC or 230 VAC)
- 115 V Setting: 85 to 132 VAC
- 230 V Setting: 185 to 243 VAC
- AC Mains Frequency: 47 to 63 Hz
- Power Output: 300 W

Dimensions:

- Height: 7" (17.8 cm)
- Width: 19" (48.3 cm)
- Depth: 19.8" (50.3 cm)
- Weight: 32 lbs. (14.5 kg)

Power Supply Options:

- Dual input redundant AC power supply
- -48 VDC power supply
- Redundant -48 VDC power supply

LAN Options:

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

WAN Options:

- 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 or 56K modem
- 802.11b wireless

Model Numbers:

- GR1000 - Base system

"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 dual CPUs and 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 line conditions, interconnected equipment, and the router's software configuration.



Leading the Router Revolution™

sales@imagestream.com
www.imagestream.com
ftp.imagestream.com

Phone: (574) 935-8484
Sales: (800) 813-5123
Fax: (574) 935-8488

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

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