



INDUSTRIAL SERIES

Gateway Router™

The Gateway Router™ delivers wire-speed performance with add-on interfaces up to OC3/STM1, and with gigabit ethernet at large packet sizes using the onboard GigE ports. The Gateway offers options for redundant AC, DC, and redundant DC power supplies. It includes an easy-to-service 4U 19-inch rackmount chassis with locking access door, high-performance Core 2 CPU card, high-speed DDR2 memory, 12-slot PCI backplane, and dual onboard 10/100/1000 ethernet ports on a dedicated PCI Express bus. The Gateway uses flash storage with no moving parts to maximize reliability.

Each PCI slot accepts Industrial Series LAN and WAN adapters. With these add-on cards, the Gateway can route multiple fractional and full T1/E1 and DS3/E3, OC3/STM1, ethernet, basic rate ISDN (BRI), and 56 K dial-up connections.

The Gateway leverages ImageStream's Inetics™ platform, which includes scalable driver components for WAN protocols like PPP, Cisco HDLC, frame relay, and ATM. Inetics also includes SoftCell™ ATM & IMA, which supports best-in-class T1/E1 solutions that run *Any Port, Any Protocol.*™ Inetics even makes it easy to troubleshoot network connections by providing real-time status and performance monitoring.

The Gateway can be used where most Cisco 3800, 7200 and 7500 series routers are used. It supports NAT firewall, QoS, VPNs, packet filtering, bridging, peer-to-peer traffic control, VRRP failover, dynamic routing, lawful intercept, VoIP gateway, and more. The Gateway is the industry's lowest cost OC3/STM1 router, and it's ideal for government, ISP, and corporate networks where scalability and redundancy are required.

Highlights

- Lowest cost OC3/STM1 router
- Replaces Cisco 3800, 7200 & 7500
- 1 Gbps backplane with 12 PCI slots
- Two onboard PCI Express GigE ports
- Lockable front panel access door
- Routes one OC3/STM1 at wire speed*
- Free 24/7 support for 1 year
- 1 year warranty on parts and labor
- 31-day performance guarantee
- Free software upgrades for life
- Lawful intercept including CALEA
- VoIP gateway & SoftPBX
- PowerCode™ OSS ready
- Runs on Linux®

Best Support

The Gateway router includes a full year of free 24/7 technical support. When you consider total cost of ownership, ImageStream routers cost less up front and over time.

Guaranteed Performance

Our 31-day performance guarantee ensures your router will function as promised. If your ImageStream router does not work as specified in writing, and our support team cannot correct the problem, you can return your router for a full refund of the purchase price. See our web site for details.



Room to Grow

12 PCI slots provide plenty of expansion capacity for the complete line of Industrial Series cards.



Secure Access

The lockable access door provides extra security for the power switch.

Optional Power

Optional redundant power supplies for the Gateway make this highly reliable router even more robust.



Express Option

The Gateway Express™ has two x8, two x4, two PCI-X, and two PCI slots for extra bus capacity in demanding applications.



ISI ImageStream
Leading the Router Revolution™

Hand Grips

Dual hand grips make it easy to move and install the Gateway.

Cooling Fan & Filter

This door provides easy access to the air filter.

300 W Power Supply

The 300 W power supply provides plenty of power for most applications.

Expansion Slots

The Gateway provides twelve 32-bit expansion slots.



Lockable Access Door

The lockable access door provides a high level of power switch security.

Floppy Drive

(Behind door) Provides an easy way to save settings to removable media.



10/100/1000 Ethernet

The onboard dual 10/100/1000 ethernet ports run on PCI Express.

Console Port

The console port can be used to configure the Gateway.

G A T E W A Y S P E C I F I C A T I O N S

Chassis: Steel 4U 19" rackmount
Processor: 3.0 GHz Intel Pentium 4
Memory: 256 MB DDR SDRAM
Storage: Fixed flash disk
Network Port: Dual 10/100/1000 ethernet on PCI Express x1 bus
Management Port: Serial console

Expansion Interface

(12) 32-bit 33 MHz PCI slots

Power Supply

Design: Switch selectable
AC Mains Voltage:
85 to 132 VAC @ 115 V setting
185 to 243 VAC @ 230 V setting
AC Mains Frequency: 47 to 63 Hz
Power Output: 300 W

Dimensions

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

Memory Options

512 MB, 1 GB, 2 GB or 4 GB

LAN Card Options

1, 2 and 4-port gigabit ethernet

WAN Card Options

1-port ATM DS3/E3 or OC3
4-port POS OC3
1 and 2-port HSSI or DS3/E3
1-port channelized DS3
1, 2, 4 and 8-port serial, T1 or E1
1-port basic rate ISDN (BRI)
1-port 56 K modem

Voice Card Options

1 to 4-port FXO/FXS
1, 2 & 4-port ISDN BRI
1, 2 & 4-port T1/E1 PRI

Power Supply Options

-48 VDC
Dual input redundant AC or DC

Software

- ImageStream Linux™
- High-performance kernel
- Scalable Inetics™ platform
- Menu-driven configuration

- PowerCode™ BMU function
- VoIP gateway & SoftPBX
- Web caching
- Web filtering with Netsweeper
- Intrusion detection & prevention
- On-line & off-line upgrades
- Local and remote logging
- Real-time monitoring
- Quality of Service (QoS)
- Bandwidth limiting
- Packet filtering
- Port forwarding
- Packet processing by PVC
- Peer-to-peer traffic control
- System scheduler
- PPP, Cisco HDLC and frame relay
- MLPPP & MLFR
- PPPoE & PPPoA client & server
- SoftCell™ ATM & IMA
- CEF-compatible bonder
- RIP, OSPF, IS-IS & BGP
- SNMP or NetFlow® accounting
- NAT firewall (1:1 & 1:many)

- NTP clock synchronization
- T1/E1 drop & insert
- LAN and WAN bridging
- Concurrent bridging & routing
- Secure telnet (ssh v.2)
- L2TP tunneling (LNS & LAC)
- GRE, IPMP & CIPE tunneling
- Remote RADIUS
- TACACS+
- DHCP client & server
- IPSec & SSL VPNs
- VRRP router failover
- Lawful intercept
- VLAN tagging
- IPv6

ISiS ImageStream
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800.813.5123
www.imagestream.com
1.574.935.8484

* See ImageStream's Web site for details on wire-speed specs. Terms and specs are subject to change without notice.

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