

INDUSTRIAL SERIES

Envoy™



The Envoy™ is ImageStream's lowest cost router. It supports up to two T1/E1 ports, and provides many powerful features including NAT firewall, QoS, VPN, VRRP, dynamic routing, line bonding, peer-to-peer traffic control, and more. The Envoy's extensive feature set makes it an ideal router for networking applications that require wire-speed performance in an affordable package with advanced routing features.

The Envoy includes a fanless 266 MHz AMD Geode processor, 128 MB memory, two 10/100 ethernet ports, two Mini PCI slots, and one USB expansion bus. The Envoy can be bundled with one synchronous serial card, or up to two T1/E1 ports. It is also designed to support add-on interfaces for ethernet, 802.11a/b/g wireless, ISDN (BRI), ADSL, or dial-up modem.

The Envoy leverages ImageStream's Inetics™ platform, which includes modular support for WAN protocols including PPP, Cisco HDLC and frame relay. Inetics also supports real-time port status and performance monitoring to simplify troubleshooting for LAN and WAN connections.

The Envoy is designed for branch offices, wireless POPs, and other small-scale routing applications. It offers wire-speed performance and solid reliability in a small but durable chassis. The Envoy can replace Cisco 1600, 1700 and 1800 series routers, and it provides a low-cost solution for virtual private network (VPN) and quality of service (QoS) applications where performance is a necessity.

Highlights

- Small footprint router
- Replaces Cisco 1600, 1700 & 1800
- Lightweight aluminum chassis
- Durable powder coat finish
- Three expansion bays
- Two onboard 10/100 ethernet ports
- Routes two T1/E1s at wire speed*
- 31-day performance guarantee
- 1 year warranty on parts and labor
- Free technical support included
- Free software upgrades for life
- Runs on Linux®

Best Support

The Envoy router includes 2 hours of free support with cost-effective options for extended service. 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.



Well Connected

The Envoy includes two 10/100 ethernet ports and three expansion bays for flexible connectivity.



The Envoy's small footprint makes it easy to install just about anywhere.

Already Cool

The Envoy router supports completely fanless operation right out of the box.



Extended Temp

Choose the extended temperature option for applications that require -10° to +65° C.



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Power LED

The power LED shows the power supply is on and powering the router.



Expansion Bays

The expansion bays can be used for T1/E1 ports, or other optional network interfaces including ethernet, ISDN, DSL, and dial-up modem.

Console Port

The console port is used to configure the router via modem or laptop.

Sync Serial Port

The optional sync serial port supports V.35, X.21, and RS232/422.

T1/E1 Ports

The Envoy supports up to two optional T1/E1 ports.

10/100 Ethernet

10/100 ethernet ports for flexible LAN connectivity.

DC Power Connector

The DC power connector is used to connect power to the Envoy.

ENVOY SPECIFICATIONS

Chassis: Aluminum set-top
 Processor: 266 MHz AMD Geode
 Memory: 128 MB SDRAM
 Storage: Fixed flash disk
 Network Ports: Two 10/100 ethernet
 Management Port: Serial console

Expansion Interface

(2) 32-bit 33 MHz Mini PCI slots
 (1) USB 1.1 bus

Power Supply

Design: External AC-DC adapter
 DC Mains: 5 VDC at 2.5 amps
 Power Output: 12.5 W

Dimensions

Height: 1.75 inches (4.4 cm)
 Width: 6.25 inches (15.9 cm)
 Depth: 6.25 inches (15.9 cm)

Weight: 1.2 lbs. (0.5 kg)

LAN Card Options

1-port 10/100 ethernet

WAN Card Options

1 sync serial port
 1 or 2 T1/E1 ports
 1-port 802.11a/b/g wireless*
 1-port ADSL*
 1-port basic rate ISDN (BRI)*
 1-port 56 K modem*

Software

- ImageStream Linux™
- High-performance kernel
- Scalable Inetics™ platform
- Menu-driven configuration
- 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
- CEF-compatible bonder
- RIP and OSPF dynamic routing
- SNMP and NetFlow® accounting
- NAT firewall (1:1 & 1:many)
- NTP clock synchronization
- LAN and WAN bridging
- Concurrent bridging & routing

- Secure telnet (ssh v.2)
- L2TP tunneling (LNS & LAC)
- GRE, IPsec & CIPE tunneling
- Remote RADIUS
- TACACS+
- DHCP client & server
- IPsec & SSL VPNs
- VRRP ethernet failover
- VLAN tagging
- IPv6

* Optional interfaces coming soon!

Note: Please refer to the ImageStream Web site for details on wire-speed performance specifications. Terms and specifications are subject to change without notice.

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INDUSTRIAL SERIES

TransPort™

The TransPort™ is ImageStream's low-cost high-performance premise router that supports one or two T1/E1 ports. The TransPort provides advanced business-class features including NAT firewall, QoS, VPN, VRRP, dynamic routing, line bonding, peer-to-peer traffic control, and more. The TransPort's extensive feature set makes it an ideal router for networking applications that require an affordable router with advanced features and wire-speed performance.

The TransPort includes a cool running VIA C3 processor, 128 MB memory, three 10/100 ethernet ports, and an expansion slot for a variety of network adapters. The TransPort can be bundled with single or dual port adapters for synchronous serial or T1/E1 applications, and it supports add-on interfaces for ethernet, 802.11a/b/g wireless, basic rate ISDN (BRI), ADSL, or 56 K dial-up.

The TransPort leverages ImageStream's Inetics™ platform, which includes modular driver support for WAN protocols including PPP, Cisco HDLC, frame relay, and ATM. Inetics technology also supports real-time port status and performance monitoring, which simplifies troubleshooting for LAN and WAN connections.

The TransPort is designed for use in branch offices and other small-scale premise routing applications. It offers wire-speed performance and unwavering reliability in a small but durable steel chassis. The TransPort can replace Cisco 1700, 1800 and 2600 series routers, and it provides a low-cost solution for virtual private network (VPN) and quality of service (QoS) applications where wire-speed performance is required.

Highlights

- Small footprint premise router
- Replaces Cisco 1700, 1800 & 2600
- Steel chassis with one expansion slot
- Three onboard 10/100 ethernet ports
- Routes two T1s or E1s at wire speed*
- 31-day performance guarantee
- 1 year warranty on parts and labor
- Free 24/7 support for 1 year
- Free software upgrades for life
- Runs on Linux®

Best Support

The TransPort 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.



Well Connected

The TransPort provides three 10/100 ethernet ports for flexible LAN connectivity.



The TransPort's small footprint allows it to be installed just about anywhere.

Fanless CPU

Unplug the chassis fan in temperature-controlled installations for completely fanless operation.



Easy Indicators

Front panel LEDs provide status information for power and LAN connections.



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Easy-to-Read LEDs
Status LEDs provide vital information at a glance.



Expansion Slot
The expansion slot is used for add-on network cards.

Power Switch & Cover
Power switch cover prevents accidental power down.

10/100 Ethernet
10/100 ethernet ports for flexible LAN connectivity.

Console Port
The console port can be used to configure the router via modem or laptop.

T R A N S P O R T S P E C I F I C A T I O N S

Chassis: Steel set-top
Processor: 533 MHz VIA C3
Memory: 128 MB SDRAM
Storage: Fixed flash disk
Network Ports: Three 10/100 ethernet
Management Port: Serial console

Expansion Interface

(1) 32-bit 33 MHz PCI slot

Power Supply

Design: Auto-ranging
AC Mains Voltage: 90 to 132 VAC and 180 to 264 VAC
AC Mains Frequency: 47 to 63 Hz
Power Output: 45 W

Dimensions

Height: 1.75 inches (4.4 cm)
Width: 8.66 inches (22 cm)
Depth: 10 inches (25.4 cm)
Weight: 4.6 lbs. (2.1 kg)

LAN Card Options

1-port 10/100 ethernet

WAN Card Options

1 or 2-port sync serial or T1/E1
1-port 802.11a/b/g wireless
1-port ADSL
1-port basic rate ISDN (BRI)
1-port 56 K modem

Software

- ImageStream Linux™
- High-performance kernel
- Scalable Inetics™ platform
- Menu-driven configuration
- 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 and OSPF
- SNMP and 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, IPIP & CIPE tunneling
- Remote RADIUS

- TACACS+
- DHCP client & server
- IPSec & SSL VPNs
- VRRP ethernet failover
- VLAN tagging
- IPv6

Note: Please refer to the ImageStream Web site for details on wire-speed performance specifications. Terms and specifications are subject to change without notice.

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INDUSTRIAL SERIES

R1™

ImageStream's R1™ router is designed for outdoor enclosures and other extended temperature applications that require an operating temperature range from -20° to 70° C. The R1 chassis uses a flexible design that makes it easy to install in set-top, wall-mount, or rackmount environments.

The R1 provides two expansion slots in a compact steel chassis that includes a fanless processor, high-speed memory, 10/100 ethernet port, and flash storage. With add-on network cards, the R1 can route multiple IP network connections including fractional or full T1/E1, 56/64K DDS, basic rate ISDN (BRI), ADSL, 802.11a/b/g wireless, and 56K dial-up.

The R1 leverages ImageStream's Inetics™ platform which includes modular driver support for WAN protocols including PPP, Cisco HDLC, frame relay and ATM. Inetics technology also supports real-time port

status and performance monitoring, which simplifies troubleshooting for LAN and WAN connections.

The R1 also provides a wide range of software features including NAT firewall, interface bond, bridging, QoS, VPN, dynamic routing, peer-to-peer traffic control, and more. The R1's advanced capabilities make it an excellent choice for a wide range of business-class routing applications.

The R1 is ideal for small-scale routing applications including branch offices and outdoor POPs. It offers wire-speed performance and unwavering reliability in a small flexible package. The R1 can replace Cisco 1700, 1800, 2600 and 2800 routers, and it makes an great router for VPN and QoS applications that require wire-speed performance.

Highlights

- Extended temp from -20° to +70° C
- Desktop, wall-mount, or rackmount
- Replaces Cisco 1700, 1800, 2600 & 2800
- Steel chassis with two expansion slots
- Onboard 10/100 ethernet
- Routes 4 T1 or E1 ports at wire speed*
- 31-day performance guarantee
- 1 year warranty on parts and labor
- Free 24/7 support for 1 year
- Free software upgrades for life
- Runs on Linux®

Best Support

The R1 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.

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Extended Temp

The R1 is "ruggedized" for extended temperature operation from -20° to +70° C.

Fanless CPU

The R1's highly efficient CPU minimizes power consumption and cooling requirements.



Small Footprint

The rugged R1 leaves a small footprint.

Mounting Versatility

Set-top, wall-mount, or rackmount—versatile installation is a key feature of the R1.





Cooling Fans

Dedicated card and power supply fans for continuous cooling.



Console Port

The console port can be used to configure the R1.

Expansion Slots

The R1 provides two expansion slots.

10/100 Ethernet Port

The 10/100 ethernet port provides easy connection to most LANs.

Power Switch

The power switch is located on the back for better security.

R 1 S P E C I F I C A T I O N S

Chassis: Steel 2U rackmount, wall-mount, or set-top
 Processor: 733 MHz VIA C3
 Memory: 128 MB SDRAM
 Storage: Fixed flash disk
 Network Port: 10/100 ethernet
 Management Port: Serial console

Expansion Interface

(2) 32-bit 33 MHz PCI slots

Power Supply

Design: Auto-ranging
 AC Mains Voltage: 85 to 265 VAC
 AC Mains Frequency: 47 to 63 Hz
 Power Output: 70 W

Dimensions

Height: 8 inches (20.3 cm)
 Width: 3.48 inches (8.84 cm)
 Depth: 10 inches (25.4 cm)
 Weight: 4 lbs. (1.8 kg)

CPU Option

Upgrade for HSSI or DS3/E3

Memory Option

256 MB SDRAM
 512 MB SDRAM

LAN Card Option

1, 2 and 4-port 10/100 ethernet

WAN Card Options

1-port HSSI or DS3/E3
 1, 2 and 4-port sync serial or T1/E1
 1-port 802.11a/b/g wireless
 1-port ADSL
 1-port basic rate ISDN (BRI)
 1-port 56K modem

Power Supply Options

+12 VDC /+24 VDC
 -48 VDC

Software

- ImageStream Linux™
- High-performance kernel
- Scalable Inetics™ platform
- Menu-driven configuration
- 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 and OSPF
- SNMP and 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, IPsec & CIPE tunneling
- Remote RADIUS
- TACACS+
- DHCP client & server
- VLAN tagging
- IPsec & SSL VPNs
- VRRP
- IPv6

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INDUSTRIAL SERIES

Rebel Router™



The Rebel Router™ is ImageStream's entry-level router for DS3/E3 and BGP applications. The Rebel can route a DS3 or E3 at wire speed, or up to 16 T1 or E1 circuits. ISPs commonly use the Rebel for medium-density T1/E1 and single-port DS3/E3 edge and premise applications.

The Rebel is a 1U 19-inch steel rackmount chassis with Intel CPU, high-performance DDR memory, six 10/100 ethernet ports, reliable flash storage, and two PCI expansion slots. Each PCI slot accepts Industrial Series network interface cards that support 1, 2, 4 and 8-port T1/E1, 1-port DS3/E3, 1 and 4-port ethernet, 802.11a/b/g wireless, ADSL, basic rate ISDN (BRI), and 56K dial-up connections. With these add-on cards, the Rebel can connect different networks using a wide range of communications interfaces and protocols.

The Rebel takes advantage of the ImageStream Linux™ router distribution, which provides support for NAT firewall,

VPNs, Quality of Service (QoS), VLAN tagging, VRRP failover, dynamic routing, packet filtering, bridging, peer-to-peer traffic control and more. The distribution leverages ImageStream's scalable Inetics™ platform, which includes ImageStream's powerful driver component architecture. Inetics supports WAN protocols including PPP, Cisco HDLC, frame relay, and ATM, and it simplifies troubleshooting for LAN and WAN connections with real-time port status and performance monitoring.

The Rebel can be used at the network core, edge, or customer premise. It delivers superior performance and reliability in a low-profile package that works where most Cisco 2800, 3800, and 7200 routers are used. The Rebel is ImageStream's lowest cost router for high-speed multihomed networks, and it is ideal for many midrange Internet routing applications.

Highlights

- Lowest cost DS3/E3 router
- Replaces Cisco 2800, 3800, & 7200
- 1 Gbps backplane with 2 PCI slots
- Six 10/100 ethernet ports
- Routes 1 DS3/E3 at wire speed*
- 31-day performance guarantee
- 1 year warranty on parts and labor
- Free 24/7 support for 1 year
- Free software upgrades for life
- Runs on Linux®

Best Support

The Rebel 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.



Low Profile

The Rebel features a low-profile 1U rackmount chassis.



Well Connected

Six 10/100 ethernet ports provide easy connections to most networks right out of the box.

Cool Power

High-performance cooling fans and a copper sink provide ample cooling under demanding conditions.

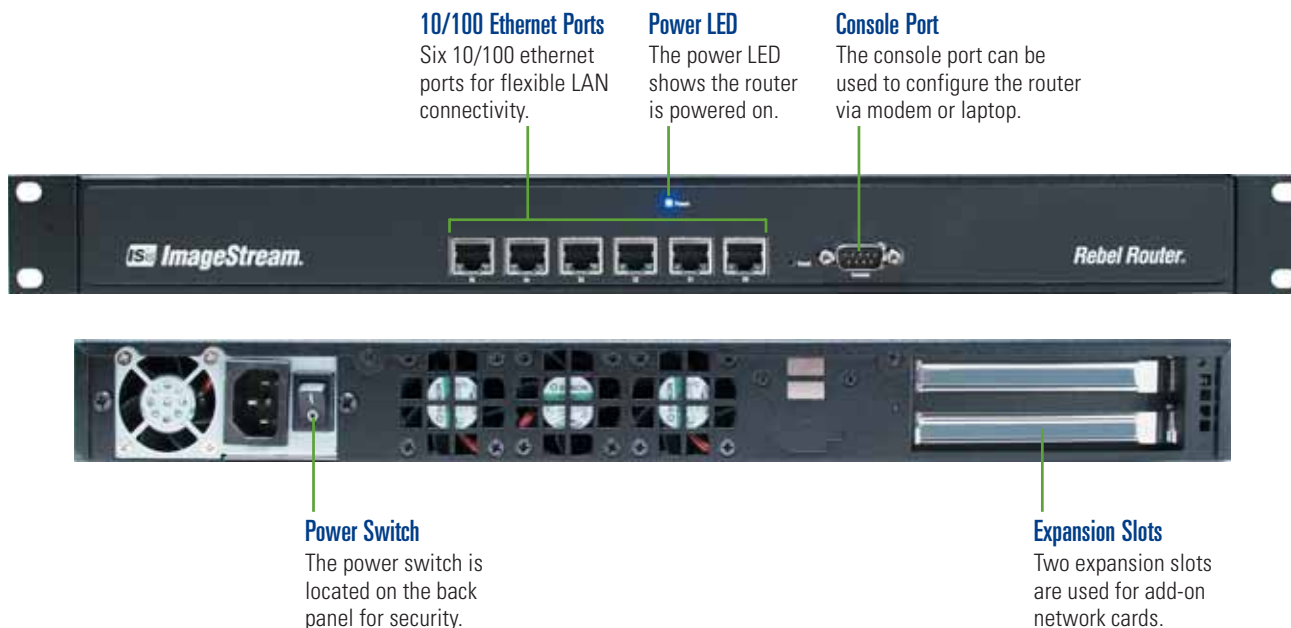


Room to Grow

Two expansion slots support up to 12 additional 10/100 ethernet ports or 16 T1/E1 ports.



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REBEL SPECIFICATIONS

Chassis: Steel 1U 19" rackmount
 Processor: 2 GHz Intel P4 Celeron
 Memory: 128 MB SDRAM
 Storage: Fixed flash disk
 Network Ports: (6) 10/100 ethernet
 Management Port: Serial console

Expansion Interface

(2) 32-bit 33 MHz PCI slots

Power Supply

Design: PFC
 AC Mains Voltage: 100 to 240 VAC
 AC Mains Frequency: 50 to 60 Hz
 Power Output: 220 W

Dimensions

Height: 1.73 inches (44 mm)
 Width: 19 inches (483 mm)
 Depth: 14.17 inches (360 mm)
 Weight: 13 lbs. (5.9 kg)
 Shipping Weight: 18.4 lbs. (8.3 kg)

Memory Option

256 MB, 512 MB, or 1 GB

LAN Card Options

1 and 4-port 10/100 UTP
 1-port 100Base-FX (MMF/SMF)
 1, 2, 4 and 6-port 10/100/1000 UTP
 1, 2 and 4-port 1000Base-SX/LX/ZX

WAN Card Options

1 and 2-port DS3/E3 or HSSI
 1-port ATM DS3/E3
 1-port channelized DS3
 1, 2, 4 and 8-port serial, T1 or E1
 1-port 802.11a/b/g wireless
 1-port ADSL
 1-port basic rate ISDN (BRI)
 1-port 56 K modem

Power Supply Option

-48 V DC

Software

- ImageStream Linux™
- High-performance kernel
- Scalable Inetics™ platform
- Menu-driven configuration
- 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, IPsec & CIPE tunneling
- Remote RADIUS
- TACACS+
- DHCP client & server
- VLAN tagging
- IPsec & SSL VPNs
- VRRP
- IPv6

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INDUSTRIAL SERIES

Gateway Router™



The Gateway Router™ provides wire-speed performance at circuit speeds up to OC3/STM1, with options for redundant AC, DC, and redundant DC power supplies. The Gateway includes an easy-to-service 4U 19-inch rackmount chassis with locking access door, high-performance CPU card, high-speed DDR memory, 12-slot PCI backplane, and an onboard 10/100/1000 ethernet port with dedicated CSA 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 56/64K DDS, fractional and full T1/E1, fractional and full DS3/E3, OC3/STM1, ethernet, 802.11x wireless, ADSL, 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 also 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, VPN, packet filtering, bridging, peer-to-peer traffic control, dynamic routing and more without additional chassis or software. The Gateway is the industry's lowest cost OC3 router, and it's ideal for government, ISP, and corporate networks where scalability and redundancy are required.

Highlights

- Industry's lowest cost OC3 router
- Replaces Cisco 3800, 7200 & 7500
- Replaces Juniper M5
- 1 Gbps backplane with 12 PCI slots
- One 10/100/1000 ethernet port
- 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
- 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.



64-bit Option

The Gateway 64™ has dual PCI buses and 256 MB of memory that provide additional capacity for demanding applications.



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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 10/100/1000 ethernet port has a dedicated CSA bus.

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: 128 MB DDR SDRAM
Storage: Fixed flash disk
Network Port: 10/100/1000 ethernet on dedicated CSA 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

256 MB, 512 MB, or 1 GB

LAN Card Options

1, 2 and 4-port 10/100 ethernet
1-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 802.11a/b/g wireless
1-port ADSL
1-port basic rate ISDN (BRI)
1-port 56 K modem

Power Supply Options

-48 VDC
Dual input redundant AC or DC

Dual Bus Gateway 64 Specs

Memory: 256 MB SDRAM
Backplane: Dual Bus

Expansion:

(7) 32-bit 33 MHz PCI slots
(4) 32/64-bit PCI-X 133 slots
(1) MiniPCI Type III

Software

- ImageStream Linux™
- High-performance kernel
- Scalable Inetics™ platform
- Menu-driven configuration
- 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)
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- LAN and WAN bridging
- Concurrent bridging & routing
- Secure telnet (ssh v.2)
- L2TP tunneling (LNS & LAC)
- GRE, IPIP & CIPE tunneling
- Remote RADIUS
- TACACS+
- DHCP client & server
- VLAN tagging
- IPsec & SSL VPNs
- VRRP
- IPv6

IS ImageStream
Leading the Router Revolution™

800.813.5123
www.imagestream.com
1.574.935.8484

Note: Please refer to the ImageStream Web site for details on wire-speed performance specifications. Terms and specifications are subject to change without notice.

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INDUSTRIAL SERIES

Enterprise Router™



The Enterprise Router™ is ImageStream's flagship of the Industrial Series line. The Enterprise includes premium features like

dual XEON® processors, quad PCI-X 133 buses, redundant power supplies, and dual 10/100/1000 ethernet ports. The Enterprise can handle the most challenging routing applications as it delivers wire-speed performance with multiple T1/E1, DS3/E3, OC3/STM1 and OC12/STM4 circuits.

The Enterprise includes a steel 5U 19-inch rackmount chassis, a high-performance dual processor card, quad bus backplane, 512 MB error-correcting DDR memory, and dual 10/100/1000 ethernet ports. The Enterprise is also designed for high reliability, and features a dual input redundant AC power supply, hot-swap chassis cooling fans, and flash storage with no moving parts.

The Enterprise accepts Industrial Series LAN and WAN adapters. These add-on cards allow

the Enterprise to route networks with 56/64K DDS, fractional and full T1/E1, fractional and full DS3/E3, OC3/STM1, OC12/STM1, ethernet, 802.11a/b/g wireless, ADSL, basic rate ISDN (BRI), and 56 K dial-up connections.

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

The Enterprise is a cost-effective, full-featured router for midrange ISP applications and corporate networks where dynamic routing, scalability, and redundancy are required. It is an excellent choice for multihomed networks where multiple high-speed circuits and advanced routing features are deployed.

Highlights

- Industry's first quad bus router
- Replaces Cisco 7200, 7600 & 12000
- Replaces Juniper M5 and M10
- Dual XEON processors
- Quad 64-bit buses
- Up to 32 Gbps aggregate throughput
- Dual 10/100/1000 ethernet ports
- Routes 2 OC12 ports 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
- Runs on Linux®

Best Support

The Enterprise 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.

Redundant Power

The Enterprise includes a dual input hot-swappable redundant power supply for high reliability.



Dual XEON CPUs

The Enterprise has two CPUs that can process over 13 billion instructions per second.



Room to Grow

The Enterprise provides plenty of room to expand with 12 32/64-bit PCI-X slots.



Hot-swap Cooling

Dual hot-swappable internal cooling fans assure high reliability with no downtime.



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Cooling Fans & Filter

This door provides easy access to the air filter.

Power Switch & Cover

Power switch cover prevents accidental power down.

Expansion Slots

The Enterprise provides twelve 32/64-bit expansion slots.

Dual Input Redundant Power Supply

Improves power supply reliability and uptime.



Hand Grips

The standard hand grips make it easy to move and install the Enterprise.

Floppy Drive

Provides an easy way to save settings to removable media.



Console Port

The console port can be used to configure the router.

Dual 10/100/1000 Ethernet Ports

The 10/100/1000 ethernet ports support full-duplex operation.

ENTERPRISE SPECIFICATIONS

Chassis: Steel 5U 19" rackmount
Processors: Dual 2.8 GHz Intel® XEON processors
Memory: 512 MB ECC DDR SDRAM
Storage: Fixed flash disk
Network Ports: Dual 10/100/1000 ethernet
Management Port: Serial console

Expansion Interface

(12) 32/64-bit PCI-X 133 slots

Power Supply

Design: Redundant dual input AC
AC Mains Voltage: 100 to 240 VAC
AC Mains Frequency: 50/60 Hz
Power Output: 350 W

Dimensions

Height: 8.75 inches (22.2 cm)
Width: 19 inches (48.3 cm)
Depth: 19.5 inches (49.5 cm)
Weight: 45 lbs. (20.5 kg)

Memory Option

1 GB ECC DDR SDRAM
2 GB ECC DDR SDRAM

LAN Card Options

1, 2 and 4-port 10/100 ethernet
1-port gigabit ethernet (fiber or UTP)

WAN Card Options

1-port ATM DS3/E3, OC3 or OC12
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 802.11a/b/g wireless
1-port ADSL
1-port basic rate ISDN (BRI)
1-port 56 K modem

Power Supply Options

Dual input redundant -48 VDC

Software

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