

INDUSTRIAL SERIES

# Enterprise Express™



The Enterprise Express™ is ImageStream's flagship of the Industrial Series line. It includes

premium features like dual low-voltage quad core XEON® processors, multiple buses, redundant power supplies, and dual gigabit ethernet ports. The Enterprise Express 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 Express includes a steel 5U 19-inch rackmount chassis, a high-performance dual CPU card, 2 GB memory, and dual 10/100/1000 ethernet ports. The Enterprise Express 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 Express accepts Industrial Series LAN and WAN adapters. These add-on

cards make it possible to route networks with fractional and full T1/E1, fractional and full DS3/E3, OC3/STM1, OC12/STM1, ethernet, basic rate ISDN (BRI), and 56 K dial-up connections.

The Enterprise Express 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 status and performance monitoring.

The Enterprise Express 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 features are deployed.

## Highlights

- High-performance multi-bus router
- Replaces Cisco 7200, 7600 & 12000
- Replaces Juniper M5 and M10
- Dual quad core XEON processors
- PCI-X and PCI Express expansion
- Dual 10/100/1000 ethernet ports
- Routes two OC12s 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 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.

**ISI** **ImageStream**  
Leading the Router Revolution™

### Redundant Power

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



### Dual XEON CPUs

The Enterprise Express has two low-voltage quad core CPUs that can process over 40 billion instructions per second.



### Hot-swap Cooling

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



### Room to Grow

The Enterprise Express provides plenty of room to expand with PCI-X and PCI Express slots.

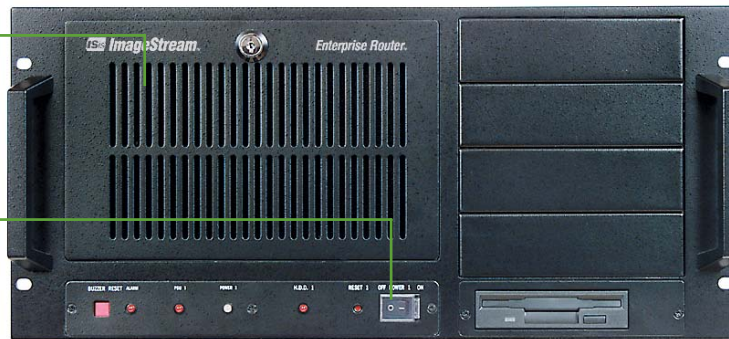


### Cooling Fans & Filter

This door provides easy access to the air filter.

### Power Switch & Cover

Power switch cover prevents accidental power down.



### Hand Grips

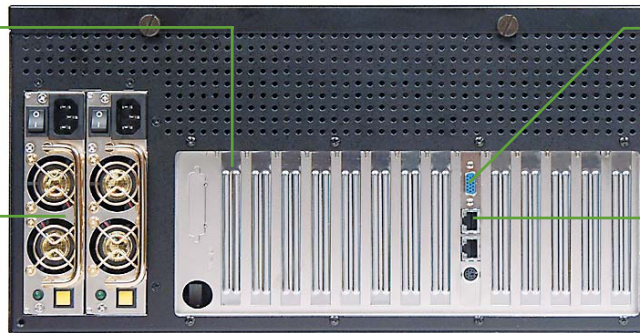
The standard hand grips make it easy to move and install.

### Expansion Slots

The Enterprise Express provides PCI-X and PCI Express expansion slots.

### Dual Input Redundant Power Supply

Improves power supply reliability and uptime.



### 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 EXPRESS SPECS

Chassis: Steel 5U 19" rackmount  
Processors: Dual Intel® dual core  
XEON LV processors  
Memory: 2 GB  
Storage: Fixed flash disk  
Network Ports: Dual GigE copper  
Management Port: Serial console

### Expansion Interface

1 x8 + 1 x4 PCIe, 8 PCI-X 133, 3 PCI

### 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

4 GB

### LAN Card Options

1, 2, 4 & 6-port gigabit ethernet

### WAN Card Options

1-port POS OC3 or OC12  
1-port ATM DS3/E3, OC3 or OC12  
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

Dual input redundant -48 VDC

### 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, IP/IP & CIPE tunneling
- Remote RADIUS
- TACACS+
- DHCP client & server
- IPSec & SSL VPNs
- VRRP router failover
- Lawful intercept
- VLAN tagging
- IPv6

**IS ImageStream**  
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**800.813.5123**  
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\* See ImageStream's Web site for details on wire-speed specs. Terms and specs are subject to change without notice.

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