

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 DDR memory, dual 10/100 ethernet, 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), 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, lawful intercept, VoIP gateway, and more. The R1's advanced capabilities make it an excellent choice for a wide range of business, service provider, and military 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 1800, 2600 and 2800 routers, and it makes a great router for VPN and QoS applications that require wire-speed performance.

Highlights

- Extended temp from -20° to $+70^{\circ}$ C
- Desktop, wall-mount, or rackmount
- Replaces Cisco 1700, 1800, 2600 & 2800
- Onboard dual 10/100 ethernet
- Routes 8 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
- Lawful intercept including CALEA
- VoIP gateway & SoftPBX
- PowerCode™ OSS ready
- 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.

ISiS ImageStream
Leading the Router Revolution™



Extended Temp

The R1 is "ruggedized" for extended temperature operation from -20° to $+70^{\circ}$ 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 Ports

Two 10/100 ethernet ports make connection to most LANs easy.

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: 500 MHz AMD LX800
 Memory: 256 MB SDRAM
 Storage: Fixed flash disk
 Network Ports: Dual 10/100 UTP
 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)

Memory Options

512 MB or 1 GB

LAN Card Options

1, 2 and 4-port gigabit ethernet

WAN Card Options

1, 2, 4 and 8-port serial or T1/E1
 1-port basic rate ISDN (BRI)
 1-port 56K 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

+12 VDC /+24 VDC
 -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
- VoIP capture & analysis
- 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 router failover
- Lawful intercept
- VLAN tagging
- IPv6

ImageStream
 Leading the Router Revolution™

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.

©Copyright 2005-2008 ImageStream Internet Solutions, Inc. All rights reserved worldwide. ImageStream® is a registered trademark, and Envoy, TransPort, R1, Rebel Router, Samurai Router, Gateway Router, Gateway Express, Enterprise Express, ImageStream Linux, SoftCell, Inetics and Leading the Router Revolution are trademarks of ImageStream Internet Solutions, Inc. PowerCode™ is a trademark of PowerCode LLC. Other trademarks are property of their respective owners.