



The R1™ is ImageStream's installation chameleon. The chassis comes in standard and ruggedized versions with AC or DC power for indoor or outdoor deployment. Its installation flexibility also includes support for rackmount, wall-mount, or set-top applications.

The R1 provides one standard expansion slot and one low-profile slot in a small steel chassis that includes a high-speed CPU, high-performance memory, and 10/100 ethernet port.

The full-size slot supports Industrial Series WAN cards with one, two or four T1, E1, or synchronous serial ports, and LAN cards including one or four port 10/100 ethernet cards. The low-profile slot supports low-profile cards like the single port 10/100 ethernet card. With these add-on cards, the R1 can route multiple IP networks using 56/64 K DDS, fractional and full T1 or E1, and ethernet connections.

The R1 provides advanced features including NAT firewall, interface bonding, bridging, QoS, IPsec VPN, RIP and OSPF. These features make the R1 an outstanding choice for business-class access routing applications.

The R1 leverages 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 with real-time status and performance monitoring.

The R1 is ImageStream's Industrial Series router for branch office and other small-scale routing applications. It offers wire-speed performance and unwavering reliability in a small but flexible package. The R1 makes an ideal router for virtual private networks (VPN) and quality of service (QoS) applications where wire-speed performance is required.

Highlights

- Desktop, wallmount, or rackmount
- Runs on Linux®
- Replaces Cisco 1600, 1700, 2600 & 3620
- Steel chassis with 2 PCI slots
- Onboard 10/100 ethernet
- Routes four T1 or E1 ports at wire speed*
- Menu-driven configuration
- Real-time performance monitoring
- 31-Day Performance Guarantee
- 1 Year Warranty
- Free 24/7 Support for 1 Year
- 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 bonding
- 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:

- Steel chassis for desktop, wallmount or rackmount installation
- Intel Celeron processor
- One full-size 32-bit 33 MHz PCI slot
- One low-profile 32-bit 33 MHz PCI slot
- 128 MB SDRAM
- Fixed flash disk
- 10/100 ethernet port
- Serial console

Wire-Speed Performance:*

- Up to four T1s or E1s

Power Supply:

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

Dimensions:

- Height: 8.0" (20.3 cm)
- Width: 3.48" (8.84 cm)
- Depth: 10.0" (25.4 cm)
- Weight: 8 lbs. (3.6 kg)

Low-Profile Adapter Options:

- 1 port 10/100 ethernet
- 1 port T1/E1
- ADSL, BRI or 56K modem

Full-Size Adapter Options:

- 4 port 10/100 ethernet
- 1, 2 and 4 port T1, E1 or sync serial
- ADSL, BRI or 56K modem

Model Numbers:

- R1-1000 - Standard AC chassis
- R1-1000DC - +12/+24 VDC version
- RR1-1000 - Ruggedized version
- RR1-1000DC - Ruggedized DC version

"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 with 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™

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

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