

Rebel Router™

INDUSTRIAL SERIES ROUTER



The Rebel Router™ is a great solution for TCP/IP routing applications that require low-cost wire-speed performance with T1/E1 and DS3/E3 circuits.

The Rebel provides two expansion slots in a steel 1U rackmount chassis. It also includes an industrial computer, high-speed error-correcting memory, two 10/100 ethernet ports, and flash storage with no moving parts.

Each expansion slot accepts Industrial Series network cards including one, two, four or eight port T1 and E1 cards, 1 port DS3 and E3 cards, and 1 or 4 port 10/100 ethernet cards.

The Rebel takes advantage of 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 by providing real-time port status and performance monitoring. The Rebel is ImageStream's most popular router. It is ImageStream's

entry-level router for BGP4 dynamic routing and interface speeds up to DS3 or E3. The Rebel also supports NAT firewall security, IPsec virtual private networking (VPN), quality of service (QoS), and VLAN tagging. In addition, the Rebel supports RIP, OSPF, and BGP4 for dynamic routing, as well as VRRP for LAN failover.

The Rebel delivers wire-speed performance and superior reliability in a low-profile package that works where most Cisco 3600 and many Cisco 7200 series routers are used. The base Rebel Router even includes support for firewall security and IPsec virtual private network (VPN) applications.

The Rebel can be used at the network core or edge. It is ImageStream's lowest cost router for high-speed multihomed networks and other midrange Internet applications. The Rebel is widely used by Internet Service Providers (ISPs) as an entry-level router for medium-density T1/E1 routing and DS3/E3 deployment.

Highlights

- Lowest cost DS3/E3 router
- Replaces Cisco 2600, 3600, 3700 & 7200
- Runs on Linux®
- 1 Gbps backplane with 2 PCI slots
- Dual 10/100 ethernet ports
- Menu-driven configuration
- Real-time performance monitoring
- Free 24/7 support for 1 year
- 1 year warranty on parts and labor
- 31-day performance guarantee
- 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 bond
- 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:

- 1U steel rackmount chassis
- Intel Celeron processor
- Two 32-bit 33 MHz PCI slots
- 128 MB ECC SDRAM
- Fixed flash disk
- Two 10/100 ethernet ports
- Serial console

Wire-Speed Performance:*

- One DS3 or E3
- Up to 16 T1s or E1s

Power Supply:

- AC Mains Voltage: 90 to 135 VAC and 180 to 265 VAC auto-ranging
- AC Mains Frequency: 47 to 63 Hz
- Power Output: 150 W

Dimensions:

- Height: 1.75" (4.4 cm)
- Width: 19" (48.3 cm)
- Depth: 10.75" (27.3 cm)
- Weight: 16.5 lbs. (7.5 kg)

LAN Options:

- 1 and 4 port 10/100 ethernet

WAN Options:

- 1 port DS3, E3 or HSSI
- 1, 2, 4 and 8 port T1 or E1
- 1, 2, 4 and 8 port sync serial

Model Numbers:

- RR1000 - Base system
- RR1000-DC - DC power

"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.



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