24/32 Port Fast Ethernet FX Module: RS 32000 Chassis



Overview

The RS 32000 Fast Ethernet switch router modules enable high-density aggregation of 10 or 100 Mbps Ethernet connectivity. This includes aggregating server farms in managed server environments, provisioning links to colocation customers, and connecting to legacy access devices. There are two versions of the module, a 24-port version equipped with RJ-45s for quick connectivity, or for higher density a 32-port version is available using RJ-21 Telco connectors for fanning out to patch panels.

The RS 32000 Fast Ethernet switch router modules support the Business enabling Quality of Service (e-QoS) feature set for provisioning tiered levels of service to customers. They also support the internet Business Intelligence Gathering (iBIG) feature set for supplying accounting and billing information for e-QoS services.

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Features

- High-density, wire-speed, full- or half-duplex connectivity
- Select the port density you need between 24 ports and 32 ports
- ullet Supports $e ext{-QoS}$ feature set for provisioning tiered levels of services
- Supports iBIG features for providing billing and accounting information

Key Applications

- Traffic aggregation of legacy edge access devices, high-density colocation links, and managed data center server farms
- · Integrate iBIG billing and monitoring with real-time port-level flow accounting and full RMON statistics
- Provision billable $e ext{-QoS}$ IP services per user or per application



24/32 Port Fast Ethernet FX Module (RS 3200 Chassis): Technical Specifications

Technical Specifications Interfaces Module Specifications IETF Standards MIB Support **IETF Standards Support** MTBF (Predicted): >200,000 hr. RFC 1058 RIP v1 RFC 1471 PPP LCP (Link Control Protocol) RFC 1105 BGP RFC 1472 PPP Security Protocol SNMPv1 24 RJ-45 connectors or RFC 1157 RFC 1473 PPP IP NCP (Network Control Protocol) Interface Types: 3 RJ-21 connectors fanning out to RFC 1163 BGP-2 RFC 1474 PPP Bridge NCP MIB-2 RFC 1493 Definitions of Managed Objects 32 Fast Ethernet ports RFC 1213 for Bridges RFC 1253 OSPF v2 MIB RFC 1256 ICMP Router Discover Message RFC 1643 Ethernet Like Interface MIB **Physical Specifications** RFC 1265 **BGP Protocol Analysis** RFC 1654 BGP4 MIB Dimensions: 11" x 17" RFC 1266 Experience with the BGP Protocol RFC 1724 RIPv2 MIB (27.94 cm x 43.18 cm) RFC 1267 RFC 1757 Remote Network Monitoring (RMON) RFC 1293 Inverse ARP Management Information Base Weight: 10.0 lbs. (4.7 kg) PPP Internet Protocol Control OSPF and OSPF Trap MIB RFC 1332 RFC 1850 Protocol (IPCP) RFC 2011 Internet Protocol using SMIv2 **Environmental Specifications** Type of Service in the Internet RFC 2021 Remote Network Monitoring Version 2 RFC 1349 Operating Temp: +0° to +40°C (32° to 104°F) Protocol Suite (RMON 2) RFC 1397 **BGP** Default Route Advertisement RFC 2096 IP Forwarding MIB Frame Relay DTE using SMIv2 Interfaces Group using SMIv2 Multiprotocol Interconnect Non-Operating Temp: -30° to +90°C (-22° to 194°F) RFC 2115 RFC 2233 RFC 1490 over Frame Relay SNMP Management Frameworks Operating Humidity: 5% to 95% (non-condensing) RFC 1519 CIDR RFC 2271 The Point-to-Point Protocol (PPP) RFC 1548 Radius Authentication Client RFC 2618 Power Consumption: 100 to 125 VAC Max or RFC 1552 The PPP Internetwork Packet Exchange Control Protocol (IPXCP) **Ordering Information** 200 to 250 VAC Max, 50 to 60 Hz PPP LCP Extensions RFC 1570 Part No. **Product Description** REC 1573 Evolution of the Interfaces Group of MIB-II Agency Standards and Specifications 24 Port Fast Ethernet Switch Router RFC 1583 R32-HTXC2-24 OSPF v2 Safety Meets the requirements of UL1950, RFC 1631 IP Network Address Translator Module using RJ-45 Connectors CSA C22.2 No. 950, EN60950, PPP Bridging Control Protocol (BCP) RFC 1638 IEC950 and 72/73/EEC RFC 1656 BGP-4 Protocol Document Roadman R32-HTXC3 32 Port Fast Ethernet Switch Router and Implementation Experience Module (fanned out from 3 RJ-21 Electromagnetic Compliant with the requirements of RFC 1657 BGP-4 Definitions of Managed Objects Connectors) Compatibility FCC Part 15, CSA C108.8, EN55022, RFC 1661 PPP (Point-to-Point Protocol) VCCI V-3/93.01. EN50082-1 and RFC 1662 PPP in HDLC-like Framing For complete ordering information, including specific modules, 89/336/FFC RFC 1723 RIP v2 contact your Riverstone representative at (408) 878-6500. RFC 1771 BGP-4 You may also visit our Website at www.riverstonenet.com RFC 1772 Application of BGP in the Internet RFC 1812 Router Requirements RFC 1966 BGP Route Reflection RFC 1990 PPP Multi-Link Protocol RFC 1997 **BGP** Communities Attribute RFC 2096 IP Forwarding MIB RFC 2131 Dynamic Host Configuration Protocol Classical IP and ARP over ATM RFC 2225 RFC 2236 Internet Group Management Protocol, Version 2

Load Sharing using IP Network Address

Translation (Load Balance)



Modules are specifically for the RS 32000 chassis





RFC 2391

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