SmartSwitch Router 2000

SSR 2000

THE **APPLICATION-AWARE** DESKTOP **ENTERPRISE** SWITCH

Introducing the SmartSwitch Router 2000, the application-aware desktop enterprise switch from Cabletron Systems. Designed for the workgroup, the SSR 2000 provides high-density, wire-speed 10/100/1000 Mbps switching and routing with throughput in excess of 6.0 million packets per second. The SSR 2000 delivers wire-speed, application-level control by switching packets at Layer, 2, 3 and 4. You can push policy-based, application-level Quality of Service to the desktop. Protect uplinks and servers with Access Control Lists. Gather detailed accounting information with per-port RMON/RMON2. Use VLANs, IP Multicast and much more.

In addition to 16-ports of 10/100Base-TX, the SmartSwitch Router 2000 provides the flexibility of two expansion slots for connectivity to high-speed backbones and local servers as well as across the WAN.

The open slots may be populated with a variety of LAN and WAN expansion modules, including 2-port Gigabit Ethernet (1000Base-SX or -LX) modules, 8-port Fast Ethernet modules (FX or TX), 2- or 4-port serial WAN (PPP or Frame Relay) modules, and 1-port 70 km 1000Base-LX or 100Base-FX modules.

- **Industry's first switching router with WAN connectivity**

- **8.0 Gbps non-blocking switching fabric**

- **Wire-speed switching and IP/IPX routing at more than 6 million pps**

- **16-10/100Base-TX ports in base configuration**

- **2 expansion slots provide flexibility for backbone, server and WAN connectivity**

- **Includes full Layer 2/3/4 switching at no extra cost**

- **Application-level control through Quality of Service, security and accounting**

- **Comprehensive management: Java based GUI, SPECTRUM, RMON/RMON2**

- **Built-in redundant power supplies**

CABLETRON
SYSTEMS

SSR 2000

Power Workgroups

Backbone — WAN — Frame Relay or PPP — SSR 2000

10/100 Mbps
Gigabit Ethernet

Wire-speed, application-level control makes the SSR 2000 ideal for enterprise desktop connectivity.

Performance

8 Gbps non-blocking switching fabric

6.0 million pps routing/switching throughput

Functionality

Wire-speed Layer 2/3/4 switching

Wire-speed IP/IPX routing

Wire-speed QoS, security, accounting
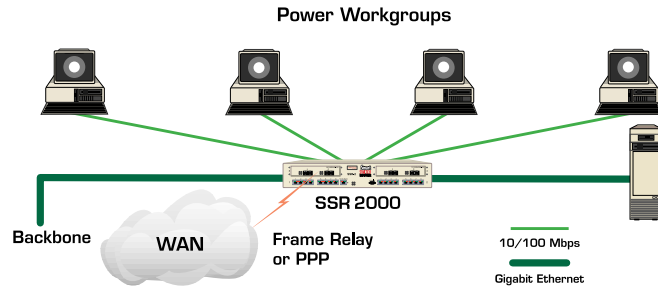
Wire-speed multicast

Policy-based management via directory services

Capacity

16-10/100Base-TX ports in base configuration

2 expansion slots provide flexibility

2-port 1000Base-SX or LX expansion module

8-port 10/100Base-TX expansion module

8-port 100Base-FX expansion module

2- or 4-port serial WAN interface (PPP & Frame Relay) supporting up to E2 (8 Mbps) rates

1-port 70 km 1000Base-LX or 100Base-FX modules

Uplinks

WAN (Serial)

70 km (100Base-FX and 1000Base-LX)

Capacity

Up to 180,000 MAC addresses

Up to 16,000 routes

Up to 128,000 Layer-4 flows

Up to 2,000 Access control lists

Protocols and Standards (Abridged)

IP Routing: RIPv1/2, OSPF, BGP-4

IPX Routing: RIP, SAP

Multicast Support: IGMP, DVMRP, PIM-DM, PIM-SM

QoS: Application level, RSVP

WAN Support: PPP and Frame Relay

IEEE 802.1p

IEEE 802.1Q

IEEE 802.1d Spanning Tree

IEEE 802.3

IEEE 802.3u

IEEE 802.3x

IEEE 802.3z

Physical and Environmental

Dimensions: 2.8" H x 17" W x 18.5" D

Product Weight: 20.0 lbs.

Operating Temperature: +5° to +40°C (41° to 104°F)

Operating Humidity: 5% to 90% (non-condensing)

Power Consumption Voltage Range: 100 to 125 Vac or 200 to 250 Vac

Interfaces: Serial WAN, 70 km 1000Base-LX and 100Base-FX

Product Ordering Information

Part No.	Description
SSR-2-B	16-port 10/100Base-TX with 2 expansion slots
SSR-2-PKG	24-port 10/100Base-TX with a 2-port 1000Base-SX expansion module
SSR-2-LX	2-port 1000Base-LX expansion module
SSR-2-SX	2-port 1000Base-SX expansion module
SSR-2-FX	8-port 100Base-FX expansion module
SSR-2-TX	8-port 100Base-TX expansion module
SSR-2-SER	2-port WAN serial (only one connector and 32 MB)
SSR-2-SERC	4-port WAN serial with hardware compression
SSR-2-SERCE	4-port WAN serial with hardware compression and hardware encryption

For complete ordering information, including specific modules, contact your Cabletron representative at 603-332-9400 or contact your local authorized reseller. You may also visit our Web site at www.cabletron.com/smartswitch-router.

About Cabletron

Cabletron Systems is a leading developer of standards-based LAN, WAN and ATM networking solutions. Through its intelligent switching and enterprise management products, Cabletron provides the foundation for a "smarter network" that seamlessly ties together existing equipment with newer products and applications for a strategic enterprise that's more in line with the short- and long-term goals of an organization.

The Smart Networking Choice.™

CABLETRON systems