SSHv2 Secure Console Switch with Internal Modem

Secure Access to your Network Equipment's Serial Console Ports ... From Anywhere!

Applications:

- Local or Remote Console Port Switching
- UNIX Serial Console Management
- TCP/IP, Dial-Up, SSH or Telnet Access to Consoles at Remote Locations
- Share Multiple Console Ports Using a Single VT100 Type PC
- In-Band/Out-of-Band Network Management

Features:

- SSHv2 Encryption
- Secure Authentication: LDAP, RADIUS, and TACACS+
- SNMP Monitoring
- Internal 56K V.92 Modem with Dial-Back
- HTTPS/SSL Secure Web Administration
- Available with 8, 16 or 32 RS-232 DB-9 Serial Ports
- 10/100Base-T Ethernet Port
- Command Logging with Audit Trail
- Non-Connect Port Buffering
- Time Stamp Port Buffering
- Co-Location Features
- Global Time Zone Support
- Multiple Concurrent SSH Sessions
- NTP for True Server Sync
- SYSLOG Messages
- IP Packet and Security Filtering
- No Unintentional Breaks
- 120/240 VAC or -48 VDC Models

The RSM Series Secure Console Switches provide in-band and out-of-band access to RS-232 console ports and maintenance ports on UNIX servers, routers and any other network elements which have a serial console or craft port. System administrators can access serial maintenance ports over network via SSH connections and simple menu-driven commands, or through a discrete TCP port connection mapped directly to one of the RSM's eight or sixteen serial outputs.

The RSM can also send buffered console messages via SYSLOG, as well as alert via SNMP when incoming console messages are captured. The RSM is ideal for allowing administrators to buffer console data collected in the RSM during non-connect periods, and/or to access console ports through out-of-band connections.
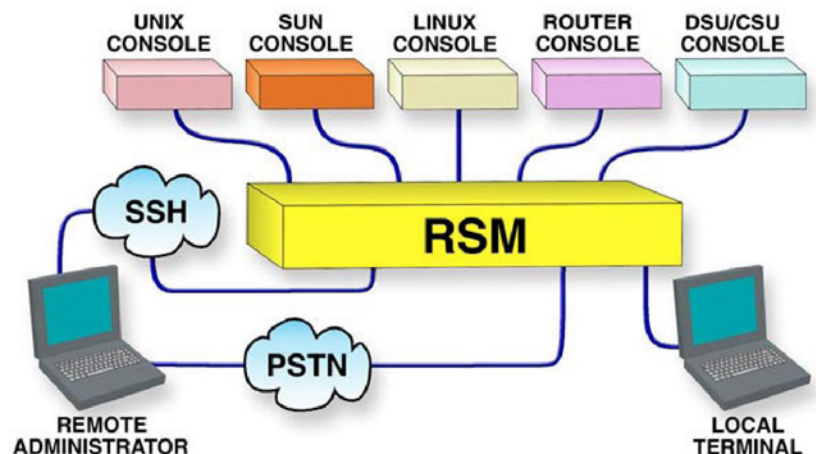
RSM Series: SSH Remote Site Manager

Intelligent Port Selection

Each port can be individually accessed by number, name or group via standard SSH sessions. The RSM also allows direct connections through discrete TCP port assignments mapped directly to a specified serial output. Ports can be individually configured using simple menu driven commands for data rate, parity, flow control and many other operating parameters. The full matrix capability of the RSM allows any port to connect to any other port on the switch. Ports can also be connected or disconnected by a third party with supervisor rights. Configuration and Status screens display real-time port statistics and activity for one or all ports.

Data Capture Buffer

The "Buffer Mode" feature allows individual ports to capture and store incoming data. This "snapshot" of the last 256K of received data is stored in memory, and can be viewed, saved or erased by the systems operator at any time. Console messages, which are stored in the RSM port buffers, can be sent to a remote location via SYSLOG, or an SNMP trap can be generated to alert administrators when new console messages have been recorded. This is particularly useful in the event that "alarm error" or other critical data is sent from a specific console port during non-connect periods.

RSM-8

RSM-16

RSM-32

Specifications

Network Interface: 10/100Base-T, RJ45
Internal Modem: 56K, V.92

RS-232 Interface:
 Connectors: 8, 16 or 32 DB-9M connectors (DTE)
 Coding: 7/8 bits, even / odd / no parity, 1, 2 stop bits
 Flow Control: Xon / Xoff, RTS/CTS, Both, None
 Rate: 300 bps to 115,200 bps
Timeout: "No Activity" disconnects port/modem session
 None, 5, 15, 30, 90 min.
Memory: Stores parameters and captured data. 256K per port.
Break: Send Break or Inhibit Break
Site ID: 32 characters
Port Name: 16 characters per port
Users: 128 Maximum
Usernames & Passwords: 16 characters each (case sensitive)
LEDs: Power ON, Ready, Data Connection (8, 16 or 32)

Physical/Environmental:
 Power:
  AC: IEC-320 Inlet, 100-240 VAC, 50/60 HZ, 5 Watts
  DC: Terminal Strip (#6-32), -48VDC, 0.2 Amp Max.
 Size: RSM-8 & RSM-16
  Height: 1.75" (4.4 cm) 1RU
  Width: 19" (48.3 cm)
  Depth: 6.5" (16.5 cm)
   19" (48.3 cm) Rack Mounts Included
 Size: RSM-32
  Height: 3.50" (8.8 cm) 2RU
  Width: 19" (48.3 cm)
  Depth: 6.5" (16.5 cm)
   19" (48.3 cm) Rack Mounts Included
 Shipping Weight:
  RSM-8 & RSM-16: 6 lbs.(2.7 Kg)
  RSM-32: 12 lbs. (5.5 Kg)
 Operation Temperature: 32˚ to 122˚ F (0˚ to 50˚ C)
 Storage Temperature: -4˚ to 158˚ F (-20˚ to 70˚ C)
 Humidity: 10-90% RH

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