RSM and TSM: Terminal Server with SSHv2

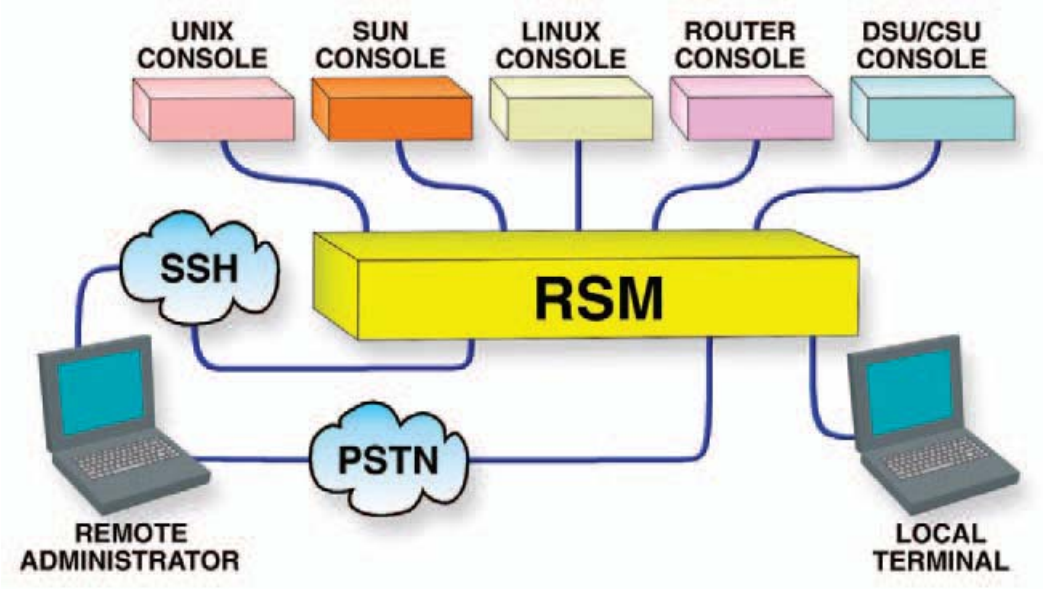
Applications:

- SSHv1, SSHv2, Telnet and Dial-Up Access to Consoles at Remote Locations
- HTTPS/SSL Secure Web Administration
- Secure UNIX Serial Console Management
- Secure Local or Remote Console Port Switching
- Manage Multiple Console Ports using a Single VT100 Terminal or PC
- Internal 56K v.92 Modem with Dial-Back Security

Features:

- Secure Shell (SSHv2) Encryption
- Simultaneous SSH Sessions (as many as port are available)
- 10/100Base-TX Ethernet Port
- Non-Connect Port Buffering
- SYSLOG Reporting
- SNMP Capability
- TACACS & RADIUS Server Compatibility
- Any-to-Any Port Switching
- IP Filtering Security Features
- Dial-Back Security on Modem Port
- Command Logging with Audit Trail
- Port-Specific Password Protection
- Data Rate Conversion, 300 to 115K bps
- Modem Auto-Setup Command Strings (User Definable)
- Menu Driven or Discrete TCP Port Connections
- Four levels of Accounts – Administrator, Supervisor, User and View Only level

The RSM FAMILY of Secure Console/AUX Management Switches provides secure, 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 port or craft port. System administrators can access the RSM via TCP/IP network, using SSH or Telnet, or out-of-band via modem or local terminal. After contacting the unit, simple, menu-driven commands are then used to connect to serial maintenance ports or select configuration parameters. In addition, the RSM FAMILY also allows you to access maintenance ports using discrete TCP port connections, mapped directly to one of the RSM's serial ports.



When the RSM receives error messages or status messages from an attached console port, the unit can buffer these messages and send them to you via SYSLOG, and can also provide immediate notification via SNMP trap. The RSM FAMILY is designed specifically for applications where you wish to buffer console data collected during non-connect periods, and/or access console ports through out-of-band connections such as dial-up, external modems or local terminals.

Intelligent Port Selection

Each of the RSM's serial ports can be individually accessed by number, name or group via standard SSH or Telnet sessions. The RSM FAMILY also allows direct connections using discrete TCP port assignments, mapped directly to a specified serial output. Each RSM serial port can be individually configured using simple menu driven commands for password, data rate, flow control and other operating parameters, or using the web interface.

The full matrix capability of the RSM FAMILY allows you to easily connect any two ports on the switch, even when the ports are using different communications settings. Ports can also be connected or disconnected by a third party with supervisor rights; for example, system managers can swap various RS232 devices between ports at a remote location. Configuration and status screens display real-time port statistics and activity for one or all of the RSM's up to 32 serial ports.

Security and Colocation Features

Secure Shell (SSHv2) encryption and address-specific IP security masks prevent unauthorized access to RSM FAMILY command and configuration functions. The RSM FAMILY also provides two levels of password security; the System Administrator level and the User level.

The System Administrator level, which is intended for use by system managers and other administrators, provides complete access to all RSM port connection / disconnection functions, operating features and configuration menus, and also allows access to any port on the switch. The User level is ideal for colocation applications, since users are only permitted to view status and connect to the specific ports allowed by their password.

Capture Buffer

The "Buffer Mode" allows individual ports to capture and store incoming data, such as error and status messages received from attached console ports. This "snapshot" of the last 256 KB of received data is stored in memory, and can be viewed, saved, or erased by the system operator at any time. Console messages, which are stored in the RSM FAMILY port buffers, can be sent to a remote location via SYSLOG, or an SNMP message 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.

Models

RSM-8:	8 Ports, DB9M connectors
RSM-16:	16 Ports, DB9M connectors
RSM-32:	32 Ports, DB9M connectors

TSM-8:	8 Ports, RJ45 connectors
TSM24:	24 Ports, RJ45 connectors
TSM-40:	40 Ports, RJ45 connectors

For more information please ask us:

MDD - Multi Data Digital GmbH
Kaiser-Friedrich-Promenade 37
61348 Bad Homburg
Germany
Tel. 06172/ 49 56 59 0
Fax. 06172/ 49 56 59 99
info@mdd-gmbh.de
www.mdd-gmbh.de

