

SSH CONSOLE SWITCH

Securely control up to 32 RS232 devices via the Internet



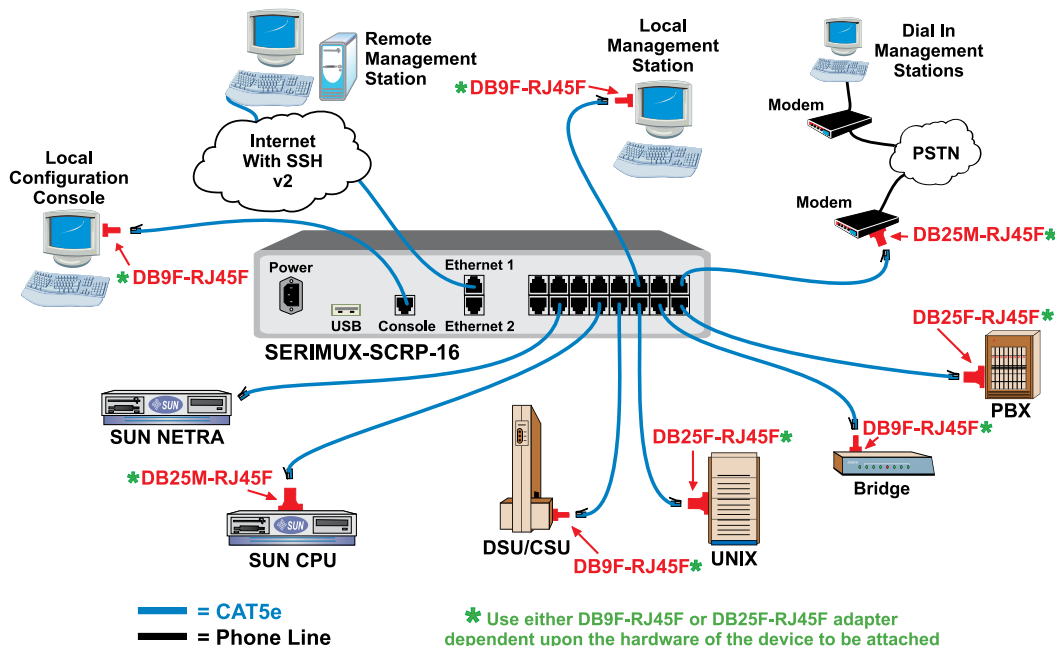
SERIMUX-SCRP-16 (Front and Back)

Features & Applications

The SERIMUX® Secure SSH Console Serial Switch delivers secure management of up to 32 serial devices via the internet, TCP/IP network, or dial-up modem connections. It combines the advanced security of Secure Shell v2 with unlimited access to remote network management.

- Supports embedded server management technologies including Intelligent Platform Management Interface (IPMI), Dell Remote Access Cards (DRAC) and HP Integrated Lights Out (iLO).
- IPv4/IPv6 dual protocol stack provides flexible networking support for devices operating in today's IPv4 based networks and compatibility with future upgrades to IPv6 environments.
- Supports Perl language for customizable log searching and event notification.
- Dual Ethernet and optional dual power provide redundant connectivity and power.
- USB port and PC Card slot provide expanded logging storage, automatic configuration and additional functionality.
- Provides Serial over Lan access (RMCP+).
- Enhanced WebUI (User Interface) provides visibility to all ports on one screen, with point and click capability. SAC GUI interface and IPMI GUI interface also included.
- Powerful diagnostic and event management features (data capture, notification and scripting) assist in the quick location of the source of equipment failures and minimize downtime.
- Supports Windows Server 2003 Emergency Management Services – helps IT/Telco administrators perform emergency recovery tasks when the server is not accessible through the network.
- Enhanced security features to protect the system – Secure Shell (SSH v2), individual port authentication, IP filtering, HTTPS.
- Supports secure clustering of up to 16 slave units. Allows encrypted access of up to 512 devices connected to multiple master or slave switches.
- Sun Solaris ready for easy installation, use and interoperability with a Sun network computing environment.
- 1RU rackmount case is standard.

Configuration and Cable Illustration



330.562.1999
Worldwide fax



sales@ntigo.com



www.networktechinc.com

© 1997, 2007 NTI
All rights reserved

SSH CONSOLE SWITCH

Securely control up to 32 RS232 devices via the Internet

Specifications

Compatibility

- Supports most devices with an RS232 serial port.
- Supports any VT type terminal

Serial Interface

- 8, 16 or 32 RJ45 EIA-232 serial port connectors.
- One RJ45 EIA-232 console port connector.
- Use straight-through CAT5 cable for console access to Sun Netra/Cisco equipment.
- Flow Control:
 - Hardware RTS/CTS
 - Software XON/XOFF
- Signals: RS232 Rx, Tx, RTS, CTS, DTR, DSR, GND.
- Modem controls: DTR/DSR and RTS/CTS.

Network Interface

- Two 10/100 Base-T Ethernet ports with RJ45 Ethernet connectors.
- Supports static and dynamic IP address.

PC Card

- One PCMCIA interface slot supports any of the following:
 - Compact-Flash storage card.
 - Wireless LAN adapter (802.11b).
 - Ethernet LAN adapter.
 - PSTN/CDMA modem card.

Power

- Input Voltage: AC 100 - 240V, 50 - 60Hz
- Optional dual power available on 16- and 32-port models.

Power Consumption

Model	Power (W)	Model	Power (W)
8-port	12	32-port	40
16-port	40		

Regulatory Approvals

- CE, UL, cUL, FCC, RoHS

Protocols

- ARP, IP/ICMP.
- TCP, Telnet, SSH v2.
- DNS, Dynamic DNS.
- HTTP, HTTPS, SMTP, DHCP.
- PPPoE.
- SNMP v3 (MIB II).
- RIP, Static routing.
- IPMI v2, DRAC, iLO
- Ipv4/Ipv6 dual stack
- Perl

Memory

- 64MB SDRAM.
- 8MB Flash.
- Female USB Type A connector for expanded logging storage

Clustering

- Supports NAT-based efficient and secure clustering.
- Access up to 16 slave units.

Logging & Buffering

- Deliver system log messages to NFS, syslog server or ATA Flash memory.
- Store port buffer data to NFS, syslog server or ATA Flash memory.
- Supports flexible buffer size management according to the media and the application.
- Email alarm notification from the port alarm messages.

Control Methods

- Web, Telnet/SSH, System console port.
- Supports Linux command line interface for power users.
- Full-featured system status display via LED indicators:
 - CPU - Power.
 - Ethernet: In-Use/ PCMCIA/ Link/ Act/ 100BaseT
 - Each Serial Port – Serial Ready/RX/TX.

Security

- User access control to the system and the ports.
- User Level Management: Root, System Admin, Port Admin, User.
- SSH v2 server and client.
- TLS/SSL
- RADIUS, LDAP, TACACS+, Active Directory and Kerberos authentication protocols.
- IP filtering for the system and ports.



SSH CONSOLE SWITCH

Securely control up to 32 RS232 devices via the Internet

SSH Console Switch Models

NTI Part#	# of Ports	Rack Units	Size WxDxH(in)
SERIMUX-SCRP-8	8	NA	17.5x8x1.75
SERIMUX-SCRP-16	16	1RU	17.5x10x1.75
SERIMUX-SCRP-16DP	16	1RU	17.5x10x1.75
SERIMUX-SCRP-32	32	1RU	17.5x10x1.75
SERIMUX-SCRP-32DP	32	1RU	17.5x10x1.75

Adapters

NTI Part#	Description
DB9F-RJ45F	Adapter to connect DB-9M serial ports to the SERIMUX
DB25F-RJ45F	Adapter to connect DB-25M serial ports to the SERIMUX
DB25M-RJ45F-T	Adapter to connect DB-25F serial ports to the SERIMUX
DB25M-RJ45F-C	Adapter to connect a modem to the SERIMUX

Cables

- Use CAT5, CAT5e or CAT6 UTP straight through cable for TIA/EIA-568B wiring terminated with standard RJ45 connectors.
- One 6-foot CAT5 cable included.

Adapters

- Four cable adapters are included with the SERIMUX-SCRP-x.
 - Male DB-25 console adapter.
 - Male DB-25 modem adapter.
 - Female DB-9 console adapter.
 - Female DB-25 console adapter.
- Additional adapters can be purchased.



330.562.1999
Worldwide fax



sales@ntigo.com



www.networktechinc.com

© 1997, 2007 NTI
All rights reserved