Simply Better Connections

SN0116

16-Port Serial Console Server



The ALTUSEN SN series of serial console servers integrate cutting Features edge technologies with secure enterprise communications. Available in 16-port models, the serial console server offers both in-band and out-of-band remote serial console access to servers and network devices, via a direct Telnet/SSH client or an applet viewer. SN works in tandem with the ALTUSEN Power Over the NET™remote power management system. Both can be managed with CC2000 management software to provide centralized data center management and integrated power management. With their comprehensive features, SN series of serial console servers help maximize IT productivity, provide scalability and reduce operational costs.

The serial console server is used to connect serial devices to the Ethernet network to meet the needs of demanding applications in industrial control, data acquisition, environment monitoring, and remote facility and equipment management. It offers versatile operation modes including Real COM Port, TCP Server/Client, UDP Server/Client, Serial Tunnel and Virtual Modem.It helps transform the capabilities of legacy serial devices to take advantage of the TCP/IP network to allow remote access, configuration, and management of the serial devices from anywhere in the world over the Internet.

SN series is a complete secure remote access and control solution. Access rights and privilege control can be applied to individual ports. Consolidated authentication simplifies password management. Data encryption is provided. Logging and alerting helps speed resolution of issues and mitigates risk. Enhanced security functions ensure the compliance of internal security mandates. The ease of use, accessibility and manageability of the SN series serial console servers enables a quick response to changing demands and helps meet ultimate business goals.

- System Compatibility Table
- Adapter Diagrams

Features

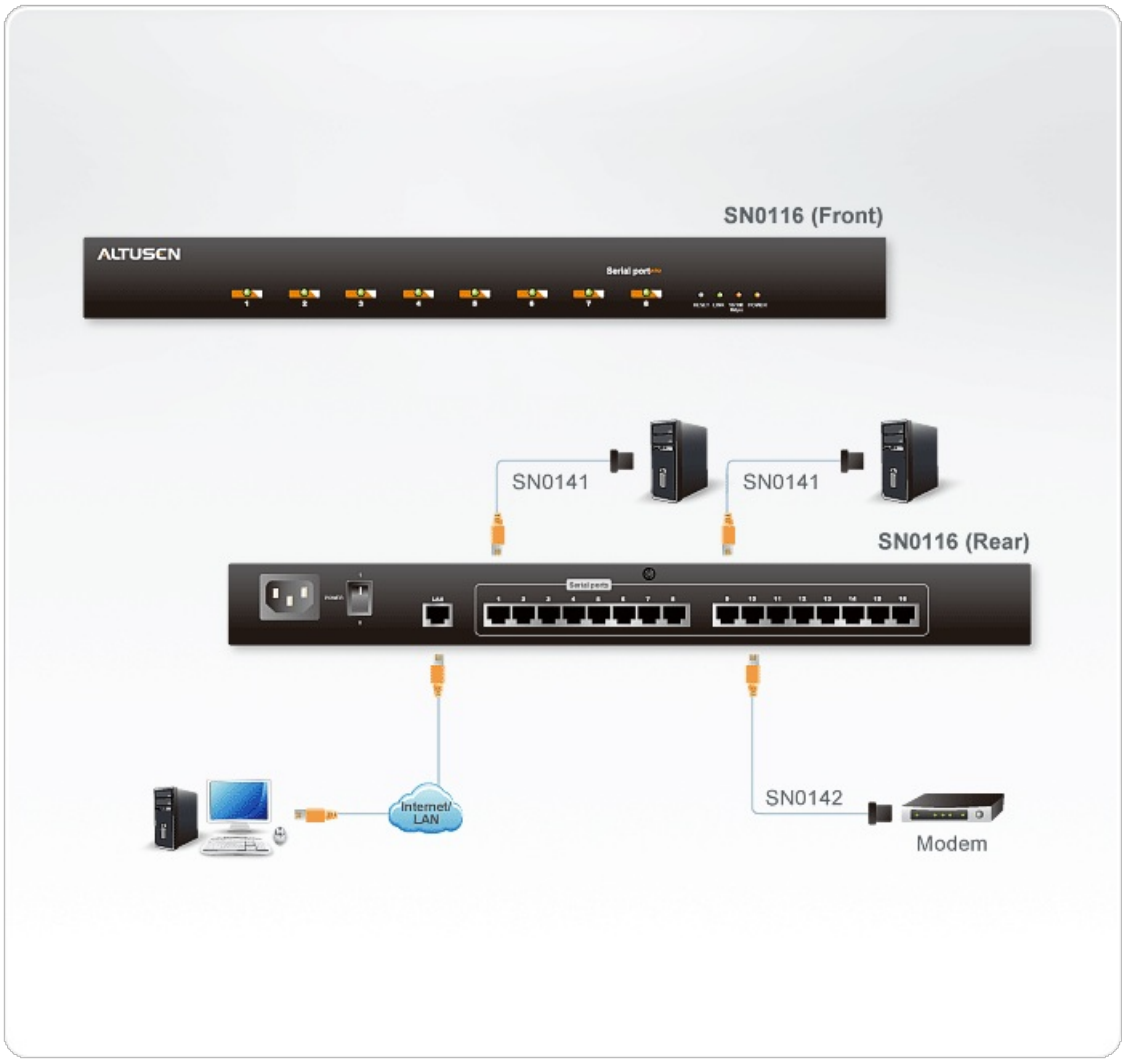
- **System Accessibility and Availability**
- Secure in-band and out-of-band network access to serial consoles
- In-band access of Ethernet
- Browser access with an intuitive GUI
- Terminal-based access with a menu-driven UI
- Out-of-band access of dial-up modem
- **Serial Console Management**
- Convenient and simple access via browser or Telnet/SSH client
- Port access via Telnet/SSH client and third-party client such as PuTTY
- Direct port access from Telnet client – bypassing login to SN
- Convenient port access via the applet serial viewer from SN Web GUI
- Selectable Telnet or SSH for the serial viewer
- Sun Solaris ready – Sun “break-safe”
- Alert String
- Multiple users simultaneously access to the same port – up to 16 connections per port.
- SN0116 allows only one user to have full access to one port, and the other concurrent users may view only to the same port.
- Integrated with Power Over the NET product for port and power outlet association
- **Security**
- SSH and SSL support
- Private certificate support – SN0116support private certificate importing Configurable user permissions for port access and control
- Local and remote authentication and logging
- Third-party authentication – SN0116 support RADIUS and indirectly support AD through CC2000
- **System Management**
- System confi guration via Web browser of HTTP/HTTPS, Telnet/SSH client and local console
- System log and event logging
- Comprehensive logging and event notifi cation
- SNMP agent
- Event notification – SN0116 support notification of SMTP email and SNMP Trap
- Firmware upgradeable
- Multi-browser support – Internet Explorer, Chrome, Firefox, Safari, Opera, Mozilla, and Netscape
- Customizable global time zone
- NTP for time server synchronization
- DHCP for dynamic IP address assignment
- Integrated with CC2000 for data center centralized management
- **Serial Device Management**
- Versatile serial operating modes – SN0116 support Real COM and TCP Server
- Multiple simultaneous connections to the same port – up to 16 connections per port
- Real COM driver for Windows 2000/XP/Vista/7 and Windows Server 2003/2008
- Real TTY driver for Linux
- Fixed TTY driver for UNIX

Information about Interface Adapters of SN0116 (Not included)

Specification

Connectors	
Serial	16 x RJ-45 Female
LAN Ports	1 x RJ-45 Female
Power	1 x IEC 60320/C14
Local Console	N/A
Modem	N/A
PON	N/A
Laptop USB Console (LUC) Port	N/A
USB Port	N/A
Switches	
Power	1 x Rocker Switch
Reset	1 x Semi-recessed Pushbutton
LEDs	
Serial	16 (Green)
Link	1 (Green)
10/100 Mbps	1 (Orange/Green)
10/100/1000 Mbps	N/A
Power	1 (Blue)
Maximum Input Power Rating	100–240VAC; 50/60Hz;1.8A
Power Consumption	120V; 8W/ 230V; 8W
Environmental	
Operating Temperature	0 - 40˚C
Storage Temperature	-20 - 60˚C
Humidity	0 - 80% RH, Non-condensing
Physical Properties	
Housing	Metal
Weight	3.40 kg (7.49 lb)
Dimensions (L x W x H)	43.72 x 20.98 x 4.40 cm (17.21 x 8.26 x 1.73 in.)
Note	For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.

Diagram



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