

## 3-Port IP Serial Console/Terminal Server Built-in Modem for Out-of-Band Access

MODEL NUMBER: **B095-003-1E-M**



### Description

Tripp Lite's B095-003-1E-M is the perfect solution for In-Band and Out-of-Band management of equipment located in remote branch offices, equipment closets on multiple floors, etc. Remote branch offices typically lack on-site IT staff to handle common IT functions such as server administration, Firewall maintenance, and UPS management. In the event of an outage, expensive third party contractors will need to be outsourced on short notice. Third party support is costly and introduces security issues when allowing contractors access to corporate data and private customer information. Travel to the remote site by corporate personnel is costly and time consuming as well. Tripp Lite Serial Console Servers allow network administrators secure access to all remote devices from anywhere in the world.

In-Band solutions utilize operational network interfaces for communicating to remote sites. When remote sites experience network outages, the only access available is Out-Of-Band solutions. Out-Of-Band connectivity is a seamless, automatic fail-over to the B095-003-1E-M internal modem. 3G cellular out-of-band access is supported. The USB port on the console server is compatible with the Pantech ULM290 VZW and the following Sierra Wireless USB modems; Compass 888, USB 598, USB 598U, USB 312U, USB 308, and U313. Tripp Lite branch office solutions provides a single interface to swiftly and efficiently manage your IT infrastructure.

Tripp Lite Serial Console Servers are equipped with the most advanced security features available. Our solution utilizes flexible authentication methods that will query directory servers such as LDAP, Radius, TACACS+ and still retains a local user list for Out-Of-Band channels. We employ advanced encryption modes and detailed device logs to ensure your remote site is protected. Made in the USA. Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases.

### Features

- 3 - RS-232 Serial Console Ports
- Configured to use standard Cat5e/6 patch cable when connecting to Cisco devices

### Highlights

- (x3) RS-232 Serial Console Ports
- Internal Modem for Out-of-Band Access
- Network UPS Tools for UPS Monitoring and management
- Powerman for PDU and RPC management
- Secure Web Management ( HTTPS)
- Internal Temperature Sensor
- Supports 3G cellular out-of-band access
- Features 2GB Internal USB Flash
- Configured to use standard Cat5e/6 patch cable when connecting to Cisco devices
- Validated to meet FIPS 140-2 standards
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases
- Made in the USA

### Applications

#### Wiring Closet

Actively monitor distributed UPS systems located in a dispersed environment, serial connectivity for routers, switches and wireless access points. Set alarms for temperature fluctuations to locate hot spots. Ideal solution for campus environments, schools and universities.

#### Branch Office and Remote Site Management

Perfect solution for both SMB and large enterprise customers. One solution for IT management, environmental monitoring and power management. Manage servers, switches, routers, firewalls, SAN with serial console ports. Instantly diagnose remote sites at a

- Tripp Lite's console servers all use an embedded FIPS 140-2 OpenSSL cryptographic module that has been validated to meet the FIPS 140-2 standards and has received [Certificate #1051](#).
- When using SSH, HTTPS or SDT Connector to connect to any service on the console server while running in FIPS mode, they will be utilizing the embedded FIPS compliant module. In order to connect using any of the protocols, you must use a cryptographic algorithm that is FIPS approved or it will fail.
- Supports 3G cellular out-of-band access. The USB port on the console server is compatible with the Pantech ULM290 VZW and the following Sierra Wireless USB modems; Compass 888, USB 598, USB 598U, USB 312U, USB 308, and U313.  
Internal Modem for Out-of-Band Access
- Network UPS Tools for UPS Monitoring and management
- Powerman for PDU and RPC management
- Features 2GB Internal USB Flash
- Secure Shell (SSH V2 and V3)
- IPsec VPN support
- TACACS+ , RADIUS, LDAP and Kerberos authentication
- PAP/CHAP authentication (dial up)
- Local authentication
- System event syslog
- SSH port and IP forwarding support
- IP packet filtering
- Break over SSH support
- Port triggers with SMNP and email alerts for all tunnel traffic
- Offline data logging (Syslog, NFS, CIFS)
- Online data buffering and logging
- Multiple users per port (with port sniffing)
- Telnet/SSH/Raw TCP connect
- RFC 2217 - Port Redirection
- Integrated AJAX serial console and system terminal via web interface
- Native IPMI 1.5 and 2.0 (RMCP/RMCP+) support for BMC and service processor access and control
- Service processor access (IPMI, ILO, LOM and more)
- Access to KVM built in to service processors (DRAC, RSA)
- Limit user access by LAN device and SDT service for that device
- Each gateway can port forward to an unlimited number of locally networked hosts (computers, routers)
- Embedded DHCP server for management of LAN devices
- Command Line interface (Linux Shell)
- Nagios distributed monitoring
- Internal temperature sensor
- Digital I/O ports for external smoke, fire, vibration, water detection and door contact sensors
- Linux with source code access
- Constructed of heavy-duty steel housing

## Specifications

glance with our built-in Dashboard feature. Automatic fail-over to Out-Of-Band including 802.11 wireless, modem or cellular options. Complete remote hands like actually being on-site.

### Hospitality

Enable POS and Property Management System connectivity to electronically bill customers from distributed services throughout a resort. Establish receipt printing, PBX connectivity and distributed UPS monitoring from campus style installations.

### Medical

Secure remote control over serial ports of critical medical equipment including patient data from blood Analyzers, heart monitors, dialysis machines and ventilators. Hospital IT personnel have access to remote clinic hardware, where IT staff would not be typically present. Compliant to HIPAA regulations for security.

### Military Industrial

Validated FIPS-140 SSL object module for compliance into DOD regulations on perimeter network edge devices. Now equipped with IP SEC for VPN connectivity to ensure secure connectivity. TAA compliant.

### Kiosk and Point of Sale

Small form factor and wireless options make this a perfect fit for kiosks. Connect to receipt printer, scale, door contact sensors and more. Install at point of sale and connect to bar code scanners, printers, credit card readers.

### Total Power Management

Manage all UPS systems and RPC connections from one appliance, serial, USB and SNMP connectivity



<b>OVERVIEW</b>	
IP Remote Access	No
<b>INPUT</b>	
Maximum Input Amps	0.3
<b>PHYSICAL</b>	
Unit Dimensions (hwd / in.)	1 1/8" x 3.5" x 4"
Unit Dimensions (hwd / cm)	2.86 x 8.89 x 10.16
Color	Black
<b>ENVIRONMENTAL</b>	
Operating Temperature Range	5C to 50C (41F to 122F)
Storage Temperature Range	-30C to +60C (-20F to +140F)
Relative Humidity	5% to 90%
BTUs	120V: 21 BTU per hour
Power Consumption (Watts)	120V: 6 Watts
<b>CONNECTIONS</b>	
Ports	3
Local Console Ports	3 x RJ45 Serial Ports
Local Console Ports - Port 1	1 x RJ11 Modem Port
Local Console Ports - Port 2	1 x RJ45 LAN Port
Local Console Ports - Port 3	1 x USB A Port
<b>WARRANTY</b>	
Product Warranty Period (Worldwide)	2-year limited warranty

for UPS and RPC devices. Simple Web Interface - Logging, Alerting, Monitoring.

#### Package Includes

- B095-003-1E-M Console Server Unit
- 2 - UTP Cat5e Cables
- 2 - DB9F / RJ45 Adapters ( 1 Straight Through Wired, 1 Crossover )
- Quick Start Guide and CD-ROM
- AC Power Adapter