

## 16-Port Serial Console / Terminal Server with Built-in PowerAlert and KVM inputs

MODEL NUMBER: **B092-016**



### Description

Tripp Lite's B092-016 Console / Terminal Server with PowerAlert will let you manage all the equipment in your data center or computer room, either remotely or from the rack itself. Manage your computers at the service processor level (IPMI, SoL, web browser), operating system level (Windows, Linux, VMWare) and right up to the applications layers (RDP, VNC, HTTP). Use any of the 4 USB ports or 16 serial ports to control your UPS systems and PDU switches, manage the serial consoles on your routers as well as the web browser network ports on your firewalls and other devices. This local access to all the consoles gives you complete control over the entire headed and headless infrastructure in your racks. Full in-band and out-of-band connection provides you 24/7 access to monitor and control all your equipment, either right from the rack, or from a remote site via browser or SDT Connector client. 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. You can customize your monitoring and alert capabilities, and maintain extensive logs. SDT for Nagios-support provides an even more sophisticated alarm and notification mechanism with escalation rules to alert you of breached thresholds and potential problems. You can monitor network services (SMTP, POP3, HTTP, NNTP, ICMP, SNMP, FTP, SSH), host resources (processor load, disk usage, system logs) and probes (temperature, alarms...) with automatic alerts for defined system events sent via e-mail, SNMP and SMS to mitigate system and network disasters. Remote management access to the B092-016 (using browsers, VNC, RDP, SSH, Telnet) is securely tunneled with strong selectable encryption (3DES, Blowfish, AES, Arcfour), flexible authentication, (Public Key, One-Time Password, Kerberos, LDAP, TACACS) and access control (trusted networks, dial back, restricted user access zones). Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases. Constructed of heavy-duty steel housing.

### Features

- Remote Desktop (RDP) access to Windows XP/Vista/2003/Terminal Services
- Configured to use standard Cat5e/6 patch cable when connecting to Cisco devices
- 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

### Highlights

- Built-in PowerAlert Power Management Software
- Secure In-band and Out-of-band access for a host of network devices
- Manage all equipment in the Rack: Servers, UPS, PDU, Routers, Switches, Firewalls, etc
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases
- Supports 3G cellular out-of-band access
- Configured to use standard Cat5e/6 patch cable when connecting to Cisco devices
- Validated to meet FIPS 140-2 standards

### Package Includes

- B092-016, 16-Port IP Console Server w/PowerAlert
- Rackmount hardware
- 2 x 6ft, Cat5e Patch cables
- 1 x DB9F - RJ45 Crossover Adapter
- 1 x DB9F - RJ45 Straight-Through Adapter
- 1 x 6ft, 5-15P to C13 Power cable
- CD with Manual



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.
- VNC access to Sun/Window/Linux computers
- ICA access to Citrix
- Firefox HTTP(S) access to browser controlled appliances with Java support (SUN JRE)
- Native IPMI 1.5 and 2.0 (RMCP/RMCP+) support for BMC and service processor access and control
- Secure SOL (Serial over LAN) access to BIOS, EMS and ACS
- Service processor access (IPMI, ILO, LOM and more)
- Access to KVM built in to service processors (DRAC, RSA)
- Embedded FIPS140-2 cryptographic module, Certificate #1051
- IP SEC VPN and Secure Shell (SSH V2 and V3).
- Break over SSH support
- Port triggers with SMNP and email alerts
- 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
- Secure Shell (SSH V2 and V3)
- TACACS+ , RADIUS and LDAP authentication
- PAP/CHAP authentication (dial up) and dial back
- Local authentication
- System event syslog
- SSH port and IP forwarding support
- IP packet filtering
- Failover to out-of-band connection
- Runs on any OS with JRE 1.4.2 or later (Windows, Linux, UNIX, Solaris, Mac OS, X)
- SSH tunnels provide out-of-band access to network console ports
- Specify custom tunneled services using arbitrary TCP/UDP port numbers and client applications
- Strong Encryption (3DES, Blowfish, AES, Arcfour)
- Strong Authentication (Public Key, One-Time Password, Kerberos)
- NUT for UPS power management
- Linux with source code access
- Constructed of heavy-duty steel housing

## Specifications

OVERVIEW	
Multi-User	Yes



<b>INPUT</b>	
Maximum Input Amps	0.8
Input Connection Type	IEC-320-C14, Auto-Switching 100-240VAC
<b>PHYSICAL</b>	
Shipping Dimensions (hwd / in.)	3.4 x 20 x 12.5
Shipping Dimensions (hwd / cm)	8.63 x 50.8 x 31.75
Shipping Weight (lbs.)	8.1
Shipping Weight (kg)	3.67
Unit Dimensions (hwd / in.)	1.75 x 17.4 x 8.25
Unit Dimensions (hwd / cm)	4.445 x 44.2 x 20.96
Unit Weight (lbs.)	5.9
Unit Weight (kg)	2.68
Included Mounting Accessories	Yes
Color	Black
<b>ENVIRONMENTAL</b>	
Storage Temperature Range	-20F to +140F ( -30C to +60C )
Relative Humidity	5% to 90%
Operating Temperature	41F to 122F ( 5C to 50C )
BTUs	120V: 41 BTU per hour
Power Consumption (Watts)	120V: 12 Watts
<b>COMMUNICATIONS</b>	
IP Remote Access	Yes
<b>CONNECTIONS</b>	
Ports	16
Local Console Ports - Port 3	PS/2
Local Console Ports - Port 4	HD15 VGA
<b>CERTIFICATIONS</b>	
Approvals	FCC Part 15 A, UL 1950, CE (EN55022 A, EN55024, EN60950), TUV, C-Tick
<b>WARRANTY</b>	



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Product Warranty Period (Worldwide)	2-year limited warranty
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