

## 4-Port Console Server with Dual GB NIC, 4Gb Flash and 4 USB Ports

MODEL NUMBER: **B093-004-2E4U**



Remotely monitor, access and control serial-based networking equipment from anywhere through one highly secure gateway.

### Features

**Access All Your Serial and Network Devices from Anywhere in the World** The B093-004-2E4U serial console server provides secure in-band (primary network) and out-of-band (alternate channel) remote access to serial- and network-connected routers, network switches, firewalls, PBX systems, UPS systems, PDUs and other devices. It offers reliable network connectivity with dual Gigabit primary and failover Ethernet ports. You can use it in a wide variety of applications, including wiring closets, branch offices, point-of-sale and other remote sites where quick resolution of network issues is imperative.

**Simple and Flexible Accessibility** Four serial RS-232 console ports are configured to use standard Cat5e/6 patch cable when connecting to Cisco devices. They integrate with industry-standard directory servers using TACACS+, RADIUS, LDAP and Kerberos authentication. Provides 4 Gb of internal NAND flash memory.

**Connect an External Modem for Out-of-Band Access** Connect one of the four USB ports to an external Multitech MT9234MU-CDC-XT or US Robotics USR5637 USB modem (sold separately) to receive out-of-band (alternate channel) access when remote sites experience a network outage.

**Router/Gateway** Each gateway can port forward to an unlimited number of locally networked hosts (computers, routers). This serial console switch also includes a built-in stateful firewall and embedded DHCP server to host a separate management LAN for critical traffic.

**The Utmost in Security to Keep Your Sensitive Data Private** The B093-004-2E4U supports the following security features and standards: PCI DSS 3.2, FIPS 140-2, SSL and SSH, stateful firewall, OpenVPN and IPSec VPN support. The embedded FIPS 140-2 OpenSSL cryptographic module is validated to meet FIPS 140-2 standards and has received Certificate #2473.

**PowerMan PDU and UPS Support** This serial console server uses PowerMan for PDU and RPC management and Network UPS Tools for UPS system monitoring and management. It provides support for Tripp Lite and other power products, so you can remotely manage power to your connected equipment.

**USB Console and Digital I/O (DIO) Ports** Four USB 2.0 console ports allow connection to newer devices with USB console ports, such as Tripp Lite's wide variety of PDUs and UPS systems with WEBCARDLX and LX Platform remote management cards. Two DIO ports are included for connecting compatible devices, such as drive relays and alarms.

**Compact Design for Convenient Mounting** The heavy-duty steel housing comes with mounting brackets for easy installation in an EIA-standard 19-inch rack. Its fanless form factor also allows desktop deployment on four included rubber feet that help prevent the unit from sliding.

**TAA-Compliant for GSA Schedule Purchases** This serial console server is compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases.

**4-Year Warranty and Environmentally Responsible Design** The B093-004-2E4U comes with a 4-year warranty. It's manufactured in compliance with strict RoHS specifications, reflecting Tripp Lite's

### Highlights

- Manage routers, UPS systems and other serial-based equipment from anywhere at any time 24/7
- Validated to meet FIPS 140-2 standards to ensure utmost protection of private data
- Dual Gigabit Ethernet ports for primary network connection and automatic failover
- Designed for standard Cat5e/6 patch cable when connecting to Cisco devices
- Easy installation on desktop or 19 in. racks using included mounting hardware

### Applications

- Securely access and control routers, switches, firewalls and other serial-connected devices in your data center 24/7
- Manage diverse server and device platforms using a network connection
- Oversee IT infrastructure remotely via network
- Troubleshoot equipment issues without spending time/money traveling to remote locations

### Package Includes

- B093-004-2E4U 4-Port Console Server with Dual GB NIC, 4Gb Flash and 4 USB Ports
- Terminal block
- DB9F to RJ45 crossover serial adapter

commitment to environmental responsibility.

- External power supply w/4 ft. cord (Input: 100–240V, 50/60 Hz, 0.4A; Output: 12V 1.25A)
- (4) International plug adapters (North America, Europe, U.K., Australia)
- Rack-mounting hardware
- (4) Rubber feet
- Quick Start Guide

## Specifications

| OVERVIEW                                       |                                                                                      |
|------------------------------------------------|--------------------------------------------------------------------------------------|
| UPC Code                                       | 037332209290                                                                         |
| Multi-User                                     | Yes                                                                                  |
| Technology                                     | Serial (RS232)                                                                       |
| INPUT                                          |                                                                                      |
| Maximum Input Amps                             | 0.3                                                                                  |
| Voltage Compatibility (VAC)                    | 100; 110; 120; 127; 200; 208; 220; 230; 240                                          |
| External Power Supply Plug(s)                  | NEMA 1-15P North America; CEE 7/16 Schuko; BS 1363 UK; AS/NZS 3112 Australia         |
| POWER                                          |                                                                                      |
| External Power Supply Input Specs (V / Hz / A) | 100-240V/ 50/60Hz / 0.4A                                                             |
| External Power Supply Output Specs (V / A)     | 12V / 1.25A                                                                          |
| External Power Supply Cord Length (ft.)        | 4.0                                                                                  |
| External Power Supply Cord Length (m.)         | 1.2                                                                                  |
| External Power Supply Certifications           | CE; FCC; UL; cUL; TUV; PSE; C-Tick; GS; RoHS; CB                                     |
| USER INTERFACE, ALERTS & CONTROLS              |                                                                                      |
| LED Indicators                                 | 7 LED's for Power, Heartbeat-Firmware Running, Serial Connectivity and Network Ports |
| PHYSICAL                                       |                                                                                      |
| Color                                          | Black                                                                                |
| Material of Construction                       | Metal                                                                                |

|                                      |                                                 |
|--------------------------------------|-------------------------------------------------|
| Rackmountable                        | Yes                                             |
| Shipping Dimensions (hwd / cm)       | 10.67 x 18.29 x 23.37                           |
| Shipping Dimensions (hwd / in.)      | 4.20 x 7.20 x 9.20                              |
| Shipping Weight (kg)                 | 0.95                                            |
| Shipping Weight (lbs.)               | 2.10                                            |
| Unit Dimensions (hwd / cm)           | 3.556 x 16.51 x 10.16                           |
| Unit Dimensions (hwd / in.)          | 1.4 x 5.1 x 4.7                                 |
| Unit Packaging Type                  | Box                                             |
| Unit Weight (kg)                     | 0.59                                            |
| Unit Weight (lbs.)                   | 1.3                                             |
| <b>ENVIRONMENTAL</b>                 |                                                 |
| Operating Temperature Range          | -13 to 140 F (-25 to 60 C)                      |
| Storage Temperature Range            | -40 to 167 F (-40 to 75 C)                      |
| Relative Humidity                    | 5% to 90% RH, Non-Condensing                    |
| BTUs                                 | 39.2 BTU/Hr                                     |
| Power Consumption (Watts)            | 11.5                                            |
| <b>COMMUNICATIONS</b>                |                                                 |
| IP Remote Access                     | Yes                                             |
| Network Speed                        | 1Gbps                                           |
| IEEE Standards Supported             | 802.3; 802.3ab; 802.3ad                         |
| <b>CONNECTIONS</b>                   |                                                 |
| Ports                                | 4                                               |
| Side A - Connector 1                 | (2) RJ45 (FEMALE)                               |
| Side B - Connector 1                 | RJ45 (FEMALE); USB A (FEMALE)                   |
| <b>FEATURES &amp; SPECIFICATIONS</b> |                                                 |
| Port Selection                       | GUI                                             |
| USB Specification                    | USB 2.0 (up to 480 Mbps)                        |
| Driver Required                      | No                                              |
| Authentication Supported             | RADIUS; LDAP; TACACS                            |
| Common Access Card (CAC) Support     | No                                              |
| <b>STANDARDS &amp; COMPLIANCE</b>    |                                                 |
| Certifications                       | Tested to CE, FCC, UL, TUV, C-Tick, RoHS, REACH |

#### WARRANTY

|                                     |                         |
|-------------------------------------|-------------------------|
| Product Warranty Period (Worldwide) | 4-year limited warranty |
|-------------------------------------|-------------------------|

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