

## 48-Port Console Server, USB Ports (2) - Dual GbE NIC, 16 Gb Flash, SD Card, Desktop/1U Rack, TAA

MODEL NUMBER: B098-048



48-port serial console server lets you remotely access and control serial-based networking equipment through one highly secure gateway.

### Features

**Access All Your Serial and Network Devices from Anywhere in the World at Any Time** This USB 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, dual SFP ports for fiber optic network connections, and dual power supplies. You can use it in a wide variety of applications, including wiring closets, branch offices, kiosks, point-of-sale and other remote sites where a quick identification and resolution of network issues is imperative. You'll be able to manage a critical equipment outage quickly and remotely without making a costly and time-consuming physical visit to the site.

**Simple and Flexible Accessibility** The 48 RJ45 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 16 Gb of internal NAND flash memory, which can be used for log storage and file storage, and is expandable with an SD card.

**Connect the Built-In V.92 Modem for Out-of-Band (OOB) Access** For OOB access, connect an RJ11 cable between the front-facing RJ11 port and a functioning landline port to allow the V.92 modem to dial out.

**Router/Gateway** Each gateway can port forward to an unlimited number of locally networked hosts (computers, routers). This rack console 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 B098-048 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 USB console server uses PowerMan for PDU and RPC management and Network UPS Tools for UPS system monitoring and management. It provides support for a range of power products, so you can remotely manage power to your connected equipment.

### Highlights

- Manage routers, UPS systems and other serial-based equipment from anywhere 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

### Applications

- Securely access and control servers, routers, KVM switches and other serial-connected devices in your data center 24/7
- Manage diverse server and device platforms using a network connection
- Diagnose and fix issues with your IT infrastructure remotely with little or no downtime
- Troubleshoot equipment issues without spending time/money traveling to remote locations

### Package Includes

- B098-048 48-Port Serial Console Server
- (2) C13 to NEMA 5-15P power cords, 6 ft.
- (2) Cat5 patch cables, 6 ft.
- Straight-through serial adapter, DB9 to RJ45 (F/F)
- Crossover serial adapter, DB9 to RJ45 (F/F)
- Modular serial adapter, DB9 to RJ45 (M/F)
- Cisco rolled straight-through serial adapter, DB9 to RJ45 (F/F)
- Cisco rolled crossover serial adapter, DB9 to RJ45 (F/F)
- Cisco rolled modular serial adapter, DB9 to RJ45 (M/F)
- Cisco straight pinout (x2) loopback, black
- Cisco rollover pinout (x1) loopback, red
- Rack-mounting hardware
- Quick Start Guide



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**USB Console** Two USB 3.0 console ports, supporting speeds up to 5Gbps, allow connection to newer devices with USB console ports, such as wide variety of PDUs and UPS systems with WEBCARDLX and LX Platform remote management cards.

**Compact Design for Convenient Mounting** The heavy-duty steel housing comes with mounting brackets for 1U installation in an EIA-standard 19-inch rack. Its fanless form factor also allows desktop deployment on included rubber feet that help prevent the unit from sliding.

**TAA-Compliant for GSA Schedule Purchases** The B098-048 is compliant with the Federal Trade Agreements Act (TAA), which makes it eligible for GSA (General Services Administration) Schedule and other federal procurement contracts.

## Specifications

OVERVIEW	
UPC Code	037332218063
Multi-User	Yes
INPUT	
Voltage Compatibility (VAC)	100; 110; 120; 125; 127; 200; 208; 220; 230; 240
Power Input Receptacle	IEC-320-C14
Redundancy - Dual Power Inputs	Yes
POWER	
Power Consumption (Watts)	15
CONNECTIONS	
Number of Ports	48
Side A - Connector 1	(2) USB A (FEMALE)
Side A - Connector 2	RJ11 (FEMALE)
Side A - Connector 3	RJ45 (FEMALE)
Side A - Connector 4	SD (FEMALE)
Side B - Connector 1	(48) RJ45 (FEMALE)
Side B - Connector 2	(2) SFP (FEMALE)
Side B - Connector 3	(2) RJ45 (FEMALE)
USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	9 LED's for Power, Heartbeat-Firmware Running, Serial Connectivity, Network Ports
PHYSICAL	
Color	Black
Material of Construction	Metal



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Rackmountable	Yes
Shipping Dimensions (hwd / in.)	3.30 x 16.10 x 19.30
Shipping Dimensions (hwd / cm)	8.38 x 40.89 x 49.02
Shipping Weight (lbs.)	10.40
Shipping Weight (kg)	4.72
Unit Dimensions (hwd / in.)	17.000 x 10.000 x 1.750
Unit Dimensions (hwd / cm)	43.2 x 25.4 x 4.45
Unit Packaging Type	Box
Unit Weight (lbs.)	10
Unit Weight (kg)	4.54
<b>ENVIRONMENTAL</b>	
Operating Temperature Range	41° to 122°F (5° to 50°C)
Storage Temperature Range	-22° to 140°F (-30° to 60°C)
Relative Humidity	5% to 90% RH, Non-Condensing
BTUs	51.2 BTU/Hr
<b>COMMUNICATIONS</b>	
IP Remote Access	Yes
Network Compatibility	1 Gbps (Gigabit)
IEEE Standards Supported	802.3; 802.3ab; 802.3ad
<b>FEATURES &amp; SPECIFICATIONS</b>	
USB Specification	USB 3.0 (up to 5 Gbps); USB 3.1 Gen 1 (up to 5 Gbps)
Port Selection	CLI; GUI
Driver Required	No
Authentication Supported	RADIUS; LDAP; TACACS
Common Access Card (CAC) Support	No
<b>STANDARDS &amp; COMPLIANCE</b>	
Product Compliance	Trade Agreements Act (TAA)
<b>WARRANTY &amp; SUPPORT</b>	
Product Warranty Period (Worldwide)	4-year limited warranty



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