

DATA SHEET

ACR1000-CPH8R-R2, ACR1000-CPH16R-R2

CENTRAL POWER HUB

24/7 TECHNICAL SUPPORT AT 877.877.2269 OR VISIT BLACKBOX.COM



OVERVIEW

CENTRAL POWER HUB DATA SHEET

INTRODUCTION

Grow your installation on demand with the Central Power Hub. Housed within a 1U 19-inch rackmount module, the Central Power Hub delivers up to eight or sixteen powered 12-VDC outputs, hot swappable power modules, and remote management.

Power to match your needs

As your installation expands and its number of devices increases, separate power adapters can become difficult to manage. The Central Power Hub provides efficiency, reliability, and power management.

8 or 16 port power outputs with locking connectors

Models have 8 or 16 separate, lockable power output ports. Each output is limited to a maximum of 30 W at 12 V and each uses a locking connector to guard against accidental disconnection.

Hot swappable power modules

Convert power from the main AC supply to low voltage DC within one or two switched mode 460 W power modules that fit into the rear of the Central Power Hub chassis. A single power module is rated at 500,000 hours MTBF and this can easily meet the needs of sixteen ports. When redundancy is required, a second power module can be included in the second module bay.

When two power modules are installed in the chassis, the hub balances the normal load intelligently between each module on an equal basis and the full load transfers immediately to one module if the other modules stops working.

Protection

Power integrity, safety, and management are core elements of the Central Power Hub system. At start up, the Central Power Hub checks the validity of the power module(s). It then enables each of the power outputs in sequence to reduce the instantaneous load on the power modules. After start up, each power output is protected by overlapping safety features that guard against excess demand by any connected device.

Web interface control

Control and monitor the Central Power Hub via a web interface. You can view and individually control temperature, fan speeds, and individual current measurements. HTTP digest authentication (RFC 2617) provides web interface security and requires a username and password.

REST API

A REST (REpresentational State Transfer) API interfaces for third-party control systems authentication.

FEATURES

- Provides (8) or (16) port independently controllable 12-V outputs
- Includes (2) hot swappable power modules
- Controllable via secure HTTP interface
- Incorporates REST API for third-party control integration
- Offers 500,000 hours of MTBF ratings on power modules
- Choose from 12 V to 5 V cable converters available for units with 5 V power feeds



SPECIFICATIONS

CENTRAL POWER HUB DATA SHEET

FRONT VIEW



ACR1000-CPH8R-R2

BACK VIEW



ACR1000-CPH8R-R2

FRONT VIEW



ACR1000-CPH16R-R2

BACK VIEW



ACR1000-CPH16R-R2

WHAT'S INCLUDED WITH THE ACR1000-CPH8R-R2

- (1) 8-PORT CENTRAL POWER HUB
- (1) US POWER CORD
- (1) SAFETY INSERT ENVELOPE

WHAT'S INCLUDED WITH THE ACR1000-CPH16R-R2

- (1) 16-PORT CENTRAL POWER HUB
- (1) US POWER CORD
- (1) SAFETY INSERT ENVELOPE

CENTRAL POWER HUB (ACR1000-CPH8R-R2, ACR1000-CPH16R-R2) SPECIFICATIONS

POWER SUPPLIES	(2) IEC 90-264 VAC 47/63 Hz input
EFFICIENCY	92%
POWER FACTOR	0.99 typical
PERIPHERAL CONNECTOR	(1) 8p8c for 10/100 Ethernet connection
POWER OUTPUTS	(8) or (16) locking 3-pin DC connectors, 12-VDC, 30-W output. Each output is a Limited Power Service (LPS).
CASE	Compact case, robust metal construction
MOUNTING	Fits in a 19-inch rack
DIMENSIONS	1.73" H x 17.13" W x 10.8" D (4.4 x 43.5 x 27.5 cm)
WEIGHT	9.9 lb. (4.5 kg)
OPERATING TEMPERATURE	32 to 122° F (0 to 50° C)
HUMIDITY	5 to 90% Noncondensing
ALTITUDE	< 6500 ft. (2000 m)
MTBF	500,000 hrs at full load @ 122° F (50° C)
LOCAL CLIENT BROWSER REQUIRED	Internet Explorer 10, 11; Firefox 24 ESR and above; Chrome 43
APPROVALS	CE, FCC, UL

