



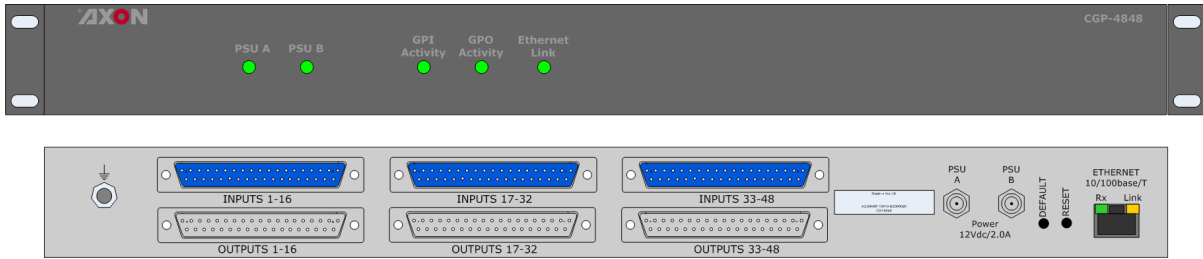
# Cerebrum

## CGP-4848

**1RU General Purpose I/O Panel**

A Cerebrum® product

## Cerebrum GPI Panel



## Features

The CGP-4848 General Purpose I/O unit is a 1U rack mount panel with 48 General Purpose Inputs (GPI's) and 48 General Purpose Outputs (GPO's) available on six 37 way 'D' type connectors on the rear of the unit, each connector carrying either 16 inputs or outputs.

All GPI's are optically isolated providing a high degree of isolation from the connected equipment. A local protected low voltage source is available on the input connectors for any GPI's fed from a floating relay contact pair.

All GPO's are provided in the form of a floating/isolated relay contact pair using the common and normally open contacts. Fifteen of the relay outputs also make the normally closed contact available.

The unit provides a basic hardware interface to a Cerebrum control system. The general purpose inputs and outputs can be used for a variety of tasks including physical GPI/O's for the Cerebrum Tally and Mnemonic option or just for very simple interface to third party devices for tasks such as alarm/status monitoring or control.

The unit uses its inbuilt 100Base-T Ethernet connector to connect to the Cerebrum server/s over either a local or wide area network. The unit can be configured to use either DHCP or manually assigned IP addresses. As with other Axon devices when used in manual IP assignment mode the address, sub-net mask and gateway can be assigned using the configuration mode of the panel.

The unit shows the status for the power supplies, GPI and GPO activity as well as Ethernet connectivity on the front panel of the device.

The unit is powered with an external AC-DC brick PSU unit. The rear of the unit has two lockable DC power inlets allowing for an optional redundant PSU in critical applications. The unit has an earth or grounding stud by the side of the DC inlets.

## Ordering information

- **CGP-4848:** 19"-1RU unit, including 1 AC-DC power supply unit
- **PSU CCP:** Extra power supply unit for CGP-4848

## Specifications

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### Dimensions

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**Height** 45mm (1.73") (1RU)

**Width (including front panel)** 484 mm (19")

**Depth (including front panel and DC connector)** 195mm (7.67")

**Width (excluding front panel)** 450 mm (17.71")

**Depth (excluding front panel, including DC connector)** 175mm (6.88")

### Weight

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~1.3 kg

### Power

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**AC PSU** 100–240V AC - 1.2A  
Frequency: 50/60 Hz

**PANEL INPUT** 12V DC - 2.0A

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### Miscellaneous

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**Operating temperature** 0° to 40° C environmental temperature (32° to 104° F)

**Storage temperature** -20° to 70 ° environmental temperature (-4° to 158° F)