

Bravelink™ BBCPU-1 Central Processing Unit

Description

The Bravelink™ BBCPU-1 Central Processing Unit is the central component of the Bravelink™ Bidirectional Amplifier (BDA) Monitoring system. It supervises and collects status information from all the Bravelink™ option cards connected to it, as well as all the BDA radios, power supplies and distributed antennas connected to the system, and passes that information to the Bravelink™ BBGUI-1 Graphic User Interface(s) for display and annunciation. This allows first responders, building personnel and field technicians to quickly ascertain the health of all the life-safety radio communication equipment in the building.

Note: Summary status can also be sent to a central station-connected fire alarm system via standard form-C relay contacts on the Bravelink™ BBR8C-1 Relay Option Card).

Features

The Bravelink™ System supports up to four Bravelink™ BBCPU-1 CPUs in an installation. Each Bravelink™ BBCPU-1 supports:

- ◆ One Bravelink™ BBR8C-1 Relay Modules
- ◆ One Bravelink™ BBAS-1 Antenna Supervision Module

The Bravelink™ BBCPU-1 is a Distributed Intelligent Network Node that provides:

- ◆ Echelon Lontalk communications using free topology FTT-10 technology
- ◆ Ability to power one or more BBGUI-1 Graphic User Interfaces
- ◆ Diagnostic LEDs
- ◆ Convenient DIN-Rail Mounting
- ◆ Micro-SD card interface
- ◆ A current-limited output to power one or more remote annunciators.



The Bravelink™ BBCPU-1 contains the necessary portions of a system wide database that allows it to operate upon global system state changes, while allowing independent operation in the event of a network disconnection.

The Bravelink™ BBCPU-1 can monitor status changes from up to four bidirectional amplifiers, up to four power supplies, and up to 125 supervised life safety antennas via its installed option cards. The Bravelink™ BBCPU-1 is also capable of controlling form-C relays on a Bravelink™ BBR8-1 to send summarized status information to a central station connected fire alarm control panel or other concerned equipment.

Mounting and Installation

The Bravelink™ BBCPU-1 clips onto a standard DIN mounting rail installed within a NEMA-4/UL50E enclosure with its option cards.

The Bravelink™ BBCPU-1 communicates with other nodes within the system via an Echelon LonTalk Free Topology network. It is wired to other nodes (Bravelink™ BBGUI-1 Graphic User Interfaces and CPUs) using single twisted pair wiring.

The Bravelink™ BBCPU-1 is connected to its internal option cards using short CAT-6 cables with RJ-45 connectors on each end (included). All connections are supervised for integrity.

Electrical Specifications

Operating Voltage:	24V
Operating Current:	130mA
Operating Temperature:	0°C to 49°C
Operating Relative Humidity	0% to 93% @
Range:	32°C

Ordering Information

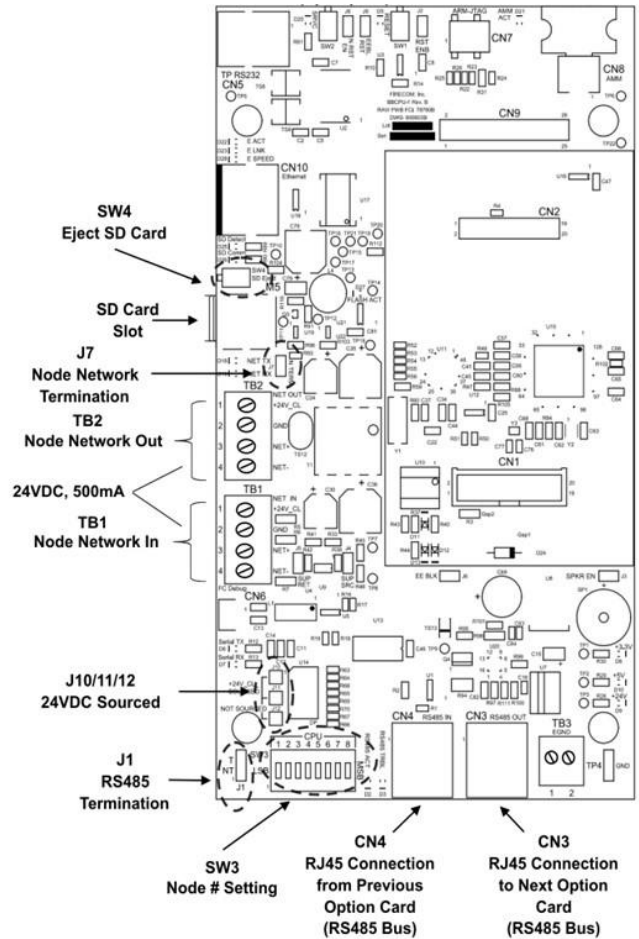
Model No.	Part No.	Description
BBCPU-1	79184	Central Processing Unit

Approvals and Listings



(File no. pending)

See Installation Guide P/N 79790 for wiring and setup details.



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