Description
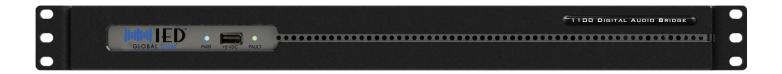
The 1100DAB Digital Audio Bridge is an expansion unit that is used in the GLOBALCOM system to provide a way to bridge CobraNet audio across local networks or VLANs. It is used to send and receive audio to GLOBALCOM systems or Legacy ACS systems that reside on multiple networks. Each network connection is dual redundant, allowing the maximum possible reliability in network connectivity. The 1100DAB can coexist with data traffic over existing Ethernet networks saving money and by eliminating additional infrastructure costs. The support of the 1100DAB allows up to 8 channels of CobraNet being bridged between two networks in each direction (8x8).

The device is added to the system and configured through the GLOBALCOM System Management Center on the 1100/1200ACS that manages the 1100DAB. By using a network-based bridge, announcement management will be linked and routed resulting in announcement distribution.

Features

- Provides compatibility with some legacy 500ACS installations

- Allows CobraNet expansion beyond a layer two network

- 8 Channels of digital audio in each direction

Mechanical/Electrical Features

- Powered from a single 12V DC power supply

- Fits into one (1) RU of 19" rack space

Specifications

Electrical

Supply Voltage...12V DC
Rated Input Current .... 400 mA (4.8 W)

Mechanical

Height...1.75", 1 rack unit (4.4 cm)
Width (without rack mount ears) ....17" (43.2 cm)
Depth..12.25" (31.1 cm)
Recommended Mounting Depth ....18" (45.7 cm)
Weight .... 10.85 lb (4.92 kg)

Environmental

Operating Temperature Range .... +32 ˚F – +95 ˚F (0 ˚C – +35 ˚C)
Storage Temperature Range ....-4 ˚F – +158 ˚F (-20 ˚C – +70 ˚C)

Connectors

Power ....2-pin Phoenix, 3.81 mm spacing with locking screws
Ethernet .... 2-pair dual redundant digital audio (100 Mbps)
(4 RJ-45 Jacks)

1100DAB Rear View

System Usage Example

The 1100DAB is used to connect CobraNet audio between two different networks, such as between local networks and cross-system or global networks, as shown in the System Usage Example below. The example also shows that if desired, it is possible to install a second 1100DAB to act as a hot backup or "lifeline" unit for an 1100DAB. This unit can be used as a backup should the primary unit spanning two networks go down.