Bittium

The Bittium Gigabit PoE+ Injector is a rugged network-agnostic solution that provides high speed data and electrical high power connections for devices used in tactical military communication environments.

Bittium Gigabit PoE+ Injector combines data and power supply over a single Ethernet cable without a costly need to replace the existing military communications infrastructure. The Bittium Gigabit PoE+ Injector is fully MIL compliant and is well suited for high vibration environments like vehicle installations. This unique solution easily brings PoE support to legacy systems.

Benefits

› Provides gigabit throughput for high speed data devices
› Rugged network-agnostic solution
› High power supply for PoE+ devices
› High vibration environments, including tracked vehicles

FOR MORE INFORMATION, PLEASE CONTACT:
defense@bittium.com

Bittium Gigabit PoE+ Injector™
Specifications

Interfaces

› 10/100/1000 Base-T Dual Ethernet

  › 802.3at Type 2 PoE output: maximum power delivered 30W

  › 10/100/1000 Mixed DC & Data, Mode A configuration

  › Connector: Bernier CMA 7W22PM (22-pin)

  › Single connector interface for Ethernet and PoE

› DC input

  › Input voltage range 10 – 32 VDC

  › Connector: Amphenol 62GB-5024-1402PB

Technical specifications

› **Operating temperature range**
  - 40 °C/+55 °C

› **Dimensions**
  L 146 × W 90 × H 43 mm

› **Weight**
  750 g

Certificates and standards

› MIL-STD-810G

  › High temperature

  › Low temperature

  › Temperature shock

  › Solar Radiation

  › Humidity

  › Leakage (immersion)

  › Vibration

  › Shock

› MIL-STD-461F Ground, Army

  › CE102, CS101, CS114, CS115, CS116, RE102, RS103

› MIL-STD-1275D (Vehicle equipment, characteristics of 28Volt DC)

› CE-EMC:

  › IEC6100-6-2 (ESD, EFT, Surge, Conducted Susceptibility, Radiated Susceptibility)

  › IEC61000-6-3 (Radiated Emission, Conducted Emission)

› EU REACH Compliance

› EU RoHS Compliance

› ISO9001 and AQAP 2110 for quality

1-to-2 cable

PoE device — Network

DC power in

Bittium • Tutkijantie 8, FI-90590 Oulu, Finland • Tel. +358 40 344 2000 • **www.bittium.com**