

Satellite Communications System for Government and Military Applications

Industry: Defense

Product: 8-Port Panel Mounted Ethernet Switch

• The Customer

The customer manufactures a variety of satellite terminals that include a family of quick deploy fly-away, fly and drive, transportable, and fixed earth station satellite terminals for both defense and commercial applications.

• The Challenge

The customer required a basic, compact, and tough Ethernet Switch for a fly-away satellite communications system. The system needed to be deployable anywhere in the world at a moments notice, therefore, reliability was paramount. The system did not require advanced management features found in many industrial managed switches. It also needed to be on budget with short lead times based on tight procurement schedules.

• The Solution

B&B Electronics EIP308 – an 8-Port Panel Mount Ethernet Switch. It is designed for an ultra-rugged environment. The unit is housed in a rugged metal enclosure ready to be flat mounted on a panel. It is an unmanaged Layer 2 switch that provides auto MDI/MDIX crossover for easy plug-and-play applications. External power supply is connected to three 2-position pluggable terminal blocks. A 9-30 VDC is the main power supply input. It also has a redundant 9-30 VDC for secondary DC source and a third power supply option with 24 VAC. This product was designed as a reliable, cost effective solution.

• Why B&B Electronics?

B&B Electronics not only provides the right product for the right job, but our manufacturing facility in Ottawa, IL provides flexible production schedules to meet variable demand. Customized design, and design modifications to existing product lines are services B&B easily provides the customer. We react quickly to short lead time procurement schedules and ship the finished product fast. Design, great service and free technical support were part of the success story for this customer.

• The Product

Model EIP308 – 8 Port Panel Mounted Ethernet Switch

- Fully IEEE 802.3 and 802.3u compliant
- 8-port unmanaged Layer 2 switch
- Auto detecting 10BaseT/100BaseTX
- Auto MDI/MDIX crossover for plug and play
- Ruggedized metallic enclosure
- Unique load LED's for quick network status
- Vertical or flat panel mountable
- Wide power input 9-30 VDC
- Redundant wide power input 9-30 VDC
- 24 VAC power input
- Speed and link/activity diagnostic LEDs



Model EIP308