

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

One of our customers manufactures a family of quick deploy, fly-away, fly and drive, transportable, and fixed earth station satellite terminals for both defense and commercial applications. They needed a simple, compact, tough Ethernet switch for a fly-away satellite communications system. The system needed to be deployable anywhere in the world at a moment's notice, and it needed to be rugged and reliable. It also needed to meet strict budget specifications and tight procurement schedules.

• The Solution

B&B Electronics' EIP308 filled the bill. An 8-Port, unmanaged, panel mount Ethernet switch, it was designed for ultra-rugged environments. The unit is housed in a rugged metal enclosure ready for flat mounting in a panel. It is a Layer 2 switch providing auto MDI/MDIX crossover for easy plug-and-play applications. External power supplies can be connected to any of three 2-position, pluggable terminal blocks. The main power supply input is 9 - 30 VDC, with the option for redundant 9 - 30 VDC as a secondary DC source. The third power supply option is 24 VAC.

• 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

