

SWITCHBLOX PICO

MANAGED ETHERNET SWITCH AND ROUTER

P/N: CF-02BBSWP



DESCRIPTION

SwitchBlox Pico is an 8 port (10/100BASE-T) managed ethernet switch and router in a ultra compact, rugged, modular form factor. This module, at an incredibly small size of 27mm x 27mm x 10mm, allows advanced ethernet routing and switching capability to be added directly to an application, through modular stacking connector, without the need for any custom development.

SwitchBlox Pico address many of the requirements defined in the [MOD PAYLOAD](#) standard for UAS and other small vessels. It runs our own custom-built operating system and allows routing and switch management to be configured directly over one of the ethernet ports.

FEATURES

- 8 x 10/100-T galvanically isolated ethernet ports
- Onboard switch and routing functionality, configured via CLI on one of the ethernet ports
- Ultra small form factor (27mm x 27mm x 10mm), designed for direct embedding into a custom PCB
- Epoxy filled, protective chassis for ultra rugged performance (MIL-STD-810H qualified)
- Military and automotive grade components for trusted performance in harsh environments
- Modular stackable header for custom integration

MODULAR DESIGN

This module is designed for direct integration into a customer's PCB, bringing "turn-key" ethernet switch and routing with no work required by the customer. This allows system engineers to focus on building their system, rather than worry about the specifics of ethernet networking. No other solution exists on the market that brings this level of integration and performance in such a small, rugged form factor.

For applications that do not need a custom PCB, a tiny breakout housing is also available that allows all ports and power to be broken out onto Molex PicoBlade connectors.

DESIGNED FOR MOBILE

This product is designed for use in mobile applications like drones and vehicles, that demand ultra-low size and weight without sacrificing ruggedness or functionality. We specialize in crafting the smallest networking solutions on the market, that are also fully MIL-STD-810H tested and run management for intelligent networking at the edge.

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40-60 Delaware Avenue

Sidney, NY 13838

amphenol-aerospace.com | amphenolmao.com