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Amphenol Military High Speed
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Amphenol's Rugged Ethernet Switch Passes 901D Shock

High speed, low power, quick start, rugged switch passes MIL-SPEC-901D

Sidney, NY, December 2023 - Amphenol Military High Speed's (AMHS) CF-020400-065 Rugged 6U VPX Ethernet Switch was successfully qualified for its shipboard application by passing the Military Specification 901D Shock Test.

Taken from the 1963 test design, the purpose of the Military Specification shock test 901D is "to verify the ability of shipboard installations to withstand shock loadings.. due to the effects of nuclear or conventional weapons."

"People don't realize how incredible this is!" Says AMHS's GM, Jared Sibrava. "We just took an extremely complex piece of Ethernet switching technology: circuit boards, connectors, dense ball grid arrays, precise soldering, capable of channeling and switching radar data in an aircraft, or the internal ops of a torpedo... and we punched it in the mouth nine times. Then we plugged it in and told it to be ready in ten seconds. It said, 'I'll do it in eight'."

The passing of this test opens up the world of shipboard, submarine, and other naval applications for AMHS's family of switches, which are already heavily represented in military avionics.

The CF-020400-065 is a 6U VPX switch is designed, manufactured, and assembled in Sidney, NY, USA down to its VITA 46 connectors. It boasts a **fast boot time** of under ten seconds and is **low power** at under 30W. More information can be found on Amphenol's website ([LINK HERE](#)).

Frequently Asked Questions:

1. How fast can the switch go?
--Up to 10G, or port ganging for up to 40G
2. How many channels?



--24 copper channels

3. What applications is this for?

--Military: Torpedoes, shipboard, avionics, ground... AMHS specializes in creating switches and other integrated electronics for rugged and military applications.

Amphenol Military High Speed (AMHS)

AMHS is a business unit within Amphenol specializing in high speed, rugged applications for the military. Stretching far beyond the connectors Amphenol is often known for, AMHS's exclusively rugged lineup includes Ethernet switches, media converters, transceivers, and high density, high speed parts for copper and fiber.

Contact Jared Sibrava, jsibrava@amphenol-aao.com for more information.

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