



HOW DO YOU SQUEEZE MASSIVE AMOUNTS OF DATA INTO A 19" CHASSIS? WITH MACHFORCE® SIZE 25 CONNECTORS

When Crystal Rugged® was asked to provide the military with an ISR system requiring 48 ports of 10G ethernet capacity but no other existing connector would work, the patented MACHFORCE D38999 style data connector was the answer to solve their port density need.

Crystal Group partnered with PIC Wire & Cable® to integrate the MACHFORCE into their RCS7750-48CM network switch. The rugged switch provides intelligent, scalable stackable LAN solution for small or medium applications that require fail-safe operation in MIL-SPEC environments. These switches needed connectors that can handle the extreme temperatures, humidity, shock and vibration, dust, sand and salt fog.

The MACHFORCE connector can optimize space and provide the highest density 10G connector on the market today by utilizing our patented High-Speed Module. In this case, Crystal Group's high-data density networking switch features five MACHFORCE connectors for a total of 48 10G Ethernet ports and squeezed massive amounts of data into a 19" chassis that would also allow for multiple disconnects in the aircraft.