



2-Port Base Interface Panel



3-Port Expansion Interface Panel

Connectorized Panel Assemblies

CV Accessories Facilitate Tactical Cabling

- Plug and Play Connectivity
- Ruggedized Tactical Connectors
- 2-port Base Panel and 3-port Expansion Panel available
- Expanded Beam Fiber Support
- Front or Rear Mount
- Various Fiber Types Supported, including TFOCA, TFOCA-II and Expanded Beam

Overview

The CV-MCU2 Interface Panels offer plug-and-play connectivity for the CV-MCU2 product line. Customers can quickly be up and running with the addition of this cable system that provides a full array of tactical connectors. The CV-MCU2 Interface Panels extend the CV-MCU2 chassis connections to the rear of a 19-inch rack or tactical case and provide ruggedized tactical connectors for the CV-MCU2 chassis.

The CV-MCU2 Interface Panels are designed for front or rear mount in a 19" rack or tactical case. Panels can be installed in adjacent rack slots so that 5 ports of conversion will occupy 3 Rack Units (RU) of space.

Panels may be mounted overlaying CV-MCU2 rear brackets, so that units and panels can occupy the same rack space.

The CV-MCU2 Interface Panel is offered in a 2-port Base Interface Panel and a 3-port Expansion Interface Panel form factor. The 2-port base panel supports external clock and configuration port connections while the 3-port expansion panel offers full connectivity for an additional 3 converter ports.

The user can mix and match fiber interface types. For example, the customer can select a Base Interface Panel with TFOCA-style connectors and an Expansion Interface Panel with Expanded Beam-style connectors with Singlemode fiber.

The unbalanced CDI interface on the panel provides an integrated lightning protection that can withstand a 20kA strike for 10 micro seconds. Similarly, the balanced interface can withstand a 10kA lightning strike for 8 micro seconds.

Base Interface Panel - 2 Ports

Interface	CV-MCU2 Chassis Connection	Interface Panel Connector
Optical Fiber (2 ports)	ST Tx and Rx pair, located on Universal Converter Card	Choice of:TFOCA, MM fiber (50µm) TFOCA II, MM fiber (62.5µm) Expanded Beam, SM fiber (9µm) Expanded Beam, MM fiber (50µm) For connection to CX-13295 or equivalent tactical fiber cable. All fiber connectors have captive protective covers.
Unbalanced CDI (2 ports)	Micro DB-9 (female)	UG-1837 with captive cover for connection to CX-11230 inter-area coaxial cable. Integrated lightning protection up to 20kA transient with 10µs rise time and 20µs of half-magnitude pulse width.
Balanced CDI (2 ports)	Micro DB-9 (female)	Push-Pins for quick connection of WF-16/U or equivalent field wire. Integrated lightning protection up to 10kA transient with 8µs rise time and 20µs of half-magnitude pulse width.
NRZ (2 ports)	Micro DB-25 (EIA-530A, female)	DB-25 with captive cover (EIA-530A, female)
Configuration Port	DB-9 female (serial) or RJ-45 (Ethernet)	DB-9 female (serial) or RJ-45 (Ethernet) with captive covers.
External Clock	BNC female	BNC female with captive cover
Chassis Ground	#10 Ground lug	# 10 Ground lug with wing nut
Dimensions:	19"W x 2.58" H	
Cable Length:	Each cable extends 27 inches off the rear of the interface panel.	

Expansion Interface Panel - 3 Ports

Interface	CV-MCU2 Chassis Connection	Interface Panel Connector
Optical Fiber (3 ports)	ST Tx and Rx pair, located on Universal Converter Card	Choice of:TFOCA, MM fiber (50µm) TFOCA II, MM fiber (62.5µm) Expanded Beam, SM fiber (9µm) Expanded Beam, MM fiber (50µm) For connection to CX-13295 or equivalent tactical fiber cable. All fiber connectors have captive protective covers.
Unbalanced CDI (3 ports)	Micro DB-9 (female)	UG-1837 with captive cover for connection to CX-11230 inter-area coaxial cable. Integrated lightning protection up to 20kA transient with 10µs rise time and 20µs of half-magnitude pulse width.
Balanced CDI (3 ports)	Micro DB-9 (female)	Push-Pins for quick connection of WF-16/U or equivalent field wire. Integrated lightning protection up to 10kA transient with 8µs rise time and 20µs of half-magnitude pulse width.
NRZ (3 ports)	Micro DB-25 (EIA-530A, female)	DB-25 with captive cover (EIA-530A, female)
Chassis Ground	#10 Ground lug	# 10 Ground lug with wing nut
Dimensions:	19"W x 2.58"H	
Cable Length:	Each cable extends 27 inches off the rear of the interface panel.	



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