



CV-MCU2 Converter/Multiplexer

Multiplexing Protocol Converter Unit for Tactical Networks

- Protocol Conversion and Multiplexing at rates to 20Mbps
- Up to 5 ports of conversion in a single RU
- Wide Range of Module Capabilities
- Over 10 combinations of multiplexing and converting
- Hot-Swappable
- Modular Power Supply
- Extended Environmental Operating Range
- Simple Import/Export of Configuration Settings

Overview

Ultra-DNE's new modular multiplexing protocol converter unit, the CV-MCU2, combines flexibility and versatility into its most space efficient design to date. This sturdy 5-port design expands upon the interoperability suite of DNE's converter products while incorporating the option to function as a next generation Trunk Group Multiplexer.

Today's communication systems are changing almost daily, needing higher speeds, smaller footprints, and more robust features. The CV-MCU2 is a low-cost flexible platform that allows deployed troops to support both new and legacy equipment while making use of higher speed Line of Sight and Beyond Line Of Sight radios that have become the affordable alternative to high cost satellite services.

Users can benefit from the industry-leading density of standalone protocol converters within a single rack unit while also minimizing fiber and cable requirements by multiplexing low speed circuits across a common path. Users can allocate bandwidth on a per-channel basis, allowing many combinations of multiplexing and converting.

The CV-MCU2's Universal Converter Modules allow interoperability with the largest number of legacy converter interfaces available, including the Canoga Perkins 2270 and JTC3A 9109C compliant units such as ITT's GSC-54 and Northrop Grumman's MD-1272. The extensible architecture of the CV-MCU2 will allow for expansion into additional interface types.

Each 1-U high chassis allows for up to five separate option modules equipped with both copper wire and optical fiber

connections. This mix-and-match architecture will allow over 10 combinations of muxing and converting while answering the need for lightweight, space-efficient equipment that is scalable to the data volume requirements.

The CV-MCU2 chassis is installed only once, allowing van cabling and rack-mounted modules to remain permanent. This feature enables the user to expand speeds or alternate protocols and multiplexing / converting function through software set-up at the user interface.

The CV-MCU2 chassis is software upgradable to the CV-MCU2+. This field upgrade provides support for the latest releases and features of modules, including the UCM+ and the Ethernet Bridging Module (EBM).

