



# CMM5

## Cluster Management Module

The CMM5 is the latest generation of solutions for the distribution of TDD Synchronization signals and Power over Ethernet in the Cambium Networks portfolio. The CMM5 is a modular design with individual 4-port power injectors and an optional controller used for remote management.

Key capabilities include:

- Support for Gigabit Ethernet (1000BaseT)
- Modular and scalable from 4 ports to 32 ports
- Direct +/- 48VDC input (optional AC/DC power supplies are available from Cambium Networks)
- Uses Cambium Networks uGPS for synchronization source
- Dual resilient power inputs
- Rack-mountable
- Secure remote management when used with the optional CMM5 Controller Module
- Support for PMP 450m (cnMedusa™)
- Future support for integration into cnMaestro™ for cloud or NOC-based management
- UL Listed and CE Mark



C000000L556A  
CMM5 Power and Sync Injector, 56V



C000000L500A  
CMM5 Controller

## SPECIFICATIONS

### 56V POWER AND SYNC INJECTOR

Model Number	C000000L556B
Interfaces	Four RJ-45 Gigabit Powered output ports "To Radios" Four RJ-45 Gigabit Data input ports "To Switch Array" One GPS timing port (RJ-12) – connection to uGPS One CMM5 USB Serial port for local administration One RJ-12 Daisy Chain port "IN" One RJ-12 Daisy Chain port "OUT" Two power input ports +/- 48 VDC (power supplies sold separately or use existing DC power source if available)
Power	Input Voltage: + or - 48 VDC Input Power Consumption: up to 400 watts (85% efficiency); 10A Fuse Output Voltage: +55 VDC Output Current: 0 - 1.8 A per channel Output Power: 0 - 90 Watts per channel
Operating Temperature	-40° C to +55°C (-40° F to +131° F), 90% humidity, condensing
Dimensions	8.85" W x 15.75" D x 2.25" H (225 mm x 400 mm x 57 mm)
Unit Weight	6.6 lbs. (3 kg)
Power Supply Options	N000000L101A – 600W Power Supply; Tray-mount N000000L054B – 240W Power Supply; Tray-mount N000000L111A – 240W Power Supply; DIN-Rail, UL Listed N000000L112A – 480W Power Supply; DIN-Rail; UL Listed

### CONTROLLER

Model Number	C000000L500B
Data Interface	One RJ45 management port "Network" 4 each USB Ports "USB" – interface to Injector (only one port is used)
Power	Input Voltage: + or - 48 VDC Power Consumption: < 5 watts
Cabinet Temperature	-40° C to +55°C (-40° F to +131° F), 90% humidity, condensing
Management Interface	10/100 BaseT RJ-45 http/https web-based management SNMPv2c/v3
Dimensions	8.75" W x 4.75" D x 1.70" H (222 mm x 122 mm x 42 mm)
Unit Weight	1.0 lbs. (0.45 kg)



N000000L101A  
CMM5 600W Power Supply



N000000L054B  
CMM5 240W Power Supply



N000000L112A  
480W DIN-Rail Power Supply

N000000L111A  
240W DIN-Rail Power Supply