Cambium Networks™

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

C000000L556A
CMM5 Power and Sync Injector, 56V

C000000L500A
CMM5 Controller

SYSTEM COMPATIBILITY

PRODUCT	POWER	SYNC
PMP / PTP 450i	Yes – 56V	Yes
PMP 450m	Yes – 56V	Yes
PTP 670	Yes – 56V	Roadmap
PTP 700	Yes – 56V	Roadmap

SPECIFICATIONS

56V POWER AND SYNC INJECTOR

Model Number	C000000L556A
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 – CMM5 600W Power Supply
	N000000L054B – CMM5 240W Power Supply

CONTROLLER

Model Number	C000000L500A
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

C000000L054B
CMM5 240W Power Supply