



CMM5 - 29V 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. There are two variants of the CMM5 Injector module - 29V and 56V.

This specification covers the 29V version used with the PMP 450 and PMP 100 Access Points.

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
- 29V version supports PMP 100 and PMP 450 Access Points. See 56V specification sheet for PMP 450i/450m solutions.
- Support for cnPulse (Requires RJ45 to RJ12 Cable)
- UL Listed and CE Mark



C000000L529A
CMM5 Power and Sync Injector, 29V



C000000L500B
CMM5 Controller

SPECIFICATIONS

56V POWER AND SYNC INJECTOR

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|-----------------------|--|
| Model Number | C000000L529B |
| 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: +29 VDC Output Current: 0 - 1.0 A per channel Output Power: 0 - 30 Watts per channel |
| Operating Temperature | -40° C to +55°C (-40° F to +131° F), 90% humidity, condensing |
| Dimensions | 8.85" W x 13.25" D x 1.75" H (225 mm x 337 mm x 45 mm) |
| Unit Weight | 3.6 lbs. (1.6 kg) |
| Power Supply Options | N000000L054B – 240W Power Supply; Tray-mount N000000L111A - 240W 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) |



N000000L054B
CMM5 240W Power Supply



N000000L111A
240W DIN-Rail Power Supply