



Cambium Networks

Cluster Management Module 4

The Cambium Networks Cluster Management Module 4 allows network operators to reduce the time and labor cost of system installation and maintenance in PMP clusters. The CMM4 integrates reliable GPS network synchronization along with power and data through a single cable to each radio. Designed to deliver consistent and reliable wireless broadband service, the system gracefully scales to support large deployments.

Available in three flavors, there is a model that will meet the needs of any network operator: An outdoor cabinet with integrated full-featured switch (1090CKBA), the same cabinet without the switch (1091AA), or a rack mount version (1092AA).

Cambium Networks provides exceptional wireless broadband connectivity solutions. With more than 3 million modules deployed in thousands of networks around the world, Cambium solutions are proven to provide cost effective, reliable data, voice and video connectivity.



FEATURE	Specification
MODEL NUMBERS	1090CKBA, 1091AA, 1092AA
DATA INTERFACE	8 Powered input ports (from radios) 8 Data output ports (to switch) 1 GPS timing port (RJ-25) 1 CMM Controller (administration) port 1 N-Type GPS antenna port
SURGE SUPPRESSION	Included for all radio ports Included GPS lightning suppression
SWITCH FEATURES (1090CKBA ONLY)	
USER INTERFACE	14 10/100BaseT ports, 2 1000BaseT ports
ETHERNET INTERFACE	10/100BaseT, half/full duplex, rate auto negotiated (802.3 compliant)
PROTOCOLS USED	IPv4, UDP, TCP, IP, ICMP, Telnet, SNMP, HTTP, FTP
NETWORK MANAGEMENT	HTTP, Telnet, FTP, SNMP v2c
VLAN	802.1ad (DVLAN Q-in-Q), 802.1Q with 802.1p priority, dynamic port VID
PHYSICAL	
MAX DISTANCE FROM MANAGED RADIOS	328 cable feet (100m)
MAX DISTANCE TO GPS ANTENNA	100 cable feet (30.5m)
CABINET TEMPERATURE	-40° C to +55°C (-40° F to +131° F), 100% humidity, condensing



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CABINET (1090CKBA and 1091AA)	
DIMENSIONS (HxWxD)	53x37.5x20 cm (20.75" x 14.75" x 7.75")
WEIGHT	6.4 kg (14 lbs)
RACK MOUNTED UNIT (1092AA)	
DIMENSIONS (HxWxD)	48.25x24x4.5 cm (19" x 9.5" x 1.75") – 1RU
WEIGHT	3 kg (6.8 lbs)
POWER CONSUMPTION	5W plus 0.5W per radio attached, Plus 12W for PoE switch (1090CKBA only)
POWER INTERFACE TERMINALS	Two 30V, Two 56V, One Ground
56V POWER SUPPLY (SOLD SEPARATELY)	SGPN4075 (Rack Mount), SGPN4076 (DIN Rail Mount)
30V POWER SUPPLY (SOLD SEPARATELY)	ACPS120WA