



# 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
<b>MODEL NUMBERS</b>	1090CKBA, 1091AA, 1092AA
<b>DATA INTERFACE</b>	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
<b>SURGE SUPPRESSION</b>	Included for all radio ports Included GPS lightning suppression
<b>SWITCH FEATURES (1090CKBA ONLY)</b>	
<b>USER INTERFACE</b>	14 10/100BaseT ports, 2 1000BaseT ports
<b>ETHERNET INTERFACE</b>	10/100BaseT, half/full duplex, rate auto negotiated (802.3 compliant)
<b>PROTOCOLS USED</b>	IPv4, UDP, TCP, IP, ICMP, Telnet, SNMP, HTTP, FTP
<b>NETWORK MANAGEMENT</b>	HTTP, Telnet, FTP, SNMP v2c
<b>VLAN</b>	802.1ad (DVLAN Q-in-Q), 802.1Q with 802.1p priority, dynamic port VID
<b>PHYSICAL</b>	
<b>MAX DISTANCE FROM MANAGED RADIOS</b>	328 cable feet (100m)
<b>MAX DISTANCE TO GPS ANTENNA</b>	100 cable feet (30.5m)
<b>CABINET TEMPERATURE</b>	-40° C to +55°C (-40° F to +131° F), 100% humidity, condensing



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