



PMP 100 Subscriber Module (900 MHz)

The Cambium Networks Point-to-Multipoint (PMP) 100 Series product is the ideal solution for developing, enhancing and extending advanced broadband networks and services – and for making delivery of high-demand applications like Internet access, voice over IP, video services, and security surveillance much quicker and much less expensive.

Cambium Networks products combine field-proven toughness with exceptional performance, security, ease-of-use and cost effectiveness. Available in 900 MHz, the PMP 100 is the right choice for residential access layer applications.

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.

SPECIFICATIONS

PRODUCT	
MODEL NUMBER	9000AP, 9000APC
SPECTRUM	
CHANNEL SPACING	Configurable in 1 MHz increments
FREQUENCY RANGE	902 - 928 MHz
CHANNEL WIDTH	8 MHz
INTERFACE	
ETHERNET INTERFACE	10/100 Base T, half/full duplex. Rate auto negotiated (802.3 compliant)
PROTOCOLS USED	IPV4, UDP, TCP, ICMP, Telnet, HTTP, FTP, SNMP, PPPoE
NETWORK MANAGEMENT	HTTP, TELNET, FTP, SNMPv2c
VLAN	802.1Q with 802.1p Priority
PERFORMANCE	
MAXIMUM AGGREGATE THROUGHPUT	4 Mbps
LATENCY	< 15 msec
MODULATION TYPE	2-level and 4-level Frequency Shift Keying (FSK)
CARRIER TO INTERFERENCE RATIO (C/I)	-3dB @ 2 level FSK, -10dB @ 4 Level FSK
ACCESS METHOD	Time Division Duplexing/Time Division Multiple Access (TDD/TDMA)
LINK BUDGET	
ANTENNA BEAM WIDTH	Integrated: 60° azimuth, 35° elevation
ANTENNA GAIN	Integrated: 12 dBi Connectorized: N/A
EIRP	36 dBm
SENSITIVITY (dBm typical)	-90 dBm @ 2 Level FSK, -87 dBm @ 4 Level FSK
PHYSICAL	

SPECIFICATIONS

CONNECTORIZED ANTENNA OPTION	Yes
MEAN TIME BETWEEN FAILURE	> 40 years
TEMPERATURE	-40° F to +131° F (-40° C to +55° C)
WEIGHT	Integrated: 13.5 lbs (6.1 kg) Connectorized: 1 lb (.45 kg)
WIND SURVIVAL	118 miles/hr (190 km/hr)
DIMENSIONS (HxWxD)	Integrated: 50 x 30 x 12 cm (19.5" x 12" x 4.75") Connectorized: 30 x 9 x 9 cm (11.75" x 3" x 3")
MAXIMUM POWER CONSUMPTION	8 W
INPUT VOLTAGE	24 - 30 VDC
SECURITY	
ENCRYPTION	DES, AES Optional FIPS 197 Certified &ndash
CERTIFICATIONS	
FCC ID	Z8H89FC5809
INDUSTRY CANADA CERT	109W-9000