



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

## SPECIFICATIONS

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