PTP 100

The Cambium Networks PTP 100 Series of Point-to-Point wireless Ethernet bridges provide a low-cost-of-entry solution for deployment, expansion and extension of broadband communications networks. The PTP 100 Series also offers the scalability of simple, affordable software key- based license upgrades for additional performance and capacity as networks grow.

An organization can begin with a system that delivers 2 Mbps of aggregate throughput at one of the lowest initial costs in the industry. When upgrades are needed, the user simply purchases software license keys that allow incremental over-the-air upgrades to 4 Mbps and to 7 Mbps aggregate data rates. Licenses that deliver up to 14 Mbps are also available.

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	2.4 GHz - 2400BHDD, 2400BH20DD 5.1 GHz - 5202BHG, 5202BH20G 5.2 GHz - 5200BHG, 5200BH20G 5.4 GHz - 5400BH02G, 5400BHG, 5400BH20G 5.8 GHz - 5700BH02G, 5700BHG, 5700BH20G
SPECTRUM	
CHANNEL SPACING	2.4 GHz - Configurable on 2.5 MHz increments 5 GHz - Configurable on 5 MHz increments
FREQUENCY RANGE	2.4 GHz - 2415 - 2457.5 MHz 5.1 GHz - 5150 - 5350 MHz 5.2 GHz - 5250 - 5350 MHz 5.4 GHz - 5470 - 5725 MHz 5.8 GHz - 5725 - 5850 MHz 5.9 GHz - 5850 - 6050 MHz
CHANNEL WIDTH	20 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
PERFORMANCE	
MAXIMUM AGGREGATE THROUGHPUT	PTP110 - 2 Mbps PTP120 - 7 Mbps PTP130 - 14 Mbps
LATENCY	5 - 7 msec
VLAN	802.1Q with 802.1p Priority
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)

SPECIFICATIONS

LINK BUDGET

ANTENNA BEAM WIDTH	3 dB antenna beam width 60 degrees, Azimuth and Elevation
ANTENNA GAIN	2.4 GHz - 8 dBi 5 GHz - 7 dBi
EIRP	2.4 GHz - Up to 33 dBm 5 GHz - Up to 30 dBm
SENSITIVITY (dBm typical)	-86 dBm @ 2 Level FSK, -79 dBm @ 4 Level FSK

PHYSICAL

CONNECTORIZED ANTENNA OPTION	5.4 GHz, 5.7 GHz
MEAN TIME BETWEEN FAILURE	> 40 years
TEMPERATURE	-40° F to +131° F (-40° C to +55° C)
WEIGHT	1 lb (.45 kg)
WIND SURVIVAL	118 miles/hr (190 km/hr)
DIMENSIONS (HxWxD)	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 – 5.1 and 5.9 GHz are DES only

CERTIFICATIONS

CE	2.4 GHz - EN 300 328 5.4 GHz - EN 301 893 5.8 GHz - EN 302 502
INDUSTRY CANADA CERT	2.4 GHz - 109W-2400 5.2 GHz - 109W-5200 5.4 GHz - 109W-5400 5.8 GHz - 109W-5700G
FCC ID	2.4 GHz - ABZ89FC5808 5.2 GHz - ABZ89FC3789 5.4 GHz - ABZ89FT7623 5.8 GHz - ABZ89FT7630

Cambium Networks