



PTP 200 (4.9 GHz)

Our Point-to-Point (PTP) 200 Series Wireless Ethernet Solutions are designed to give you high-throughput, reliable broadband communications on a tight budget. With a PTP 200 Series solution, enterprises, government organizations and service providers with limited resources can establish and extend backhaul communications affordably.

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	4940BH, 4940BHC
SPECTRUM	
CHANNEL SPACING	Configurable on 0.5 MHz increments
FREQUENCY RANGE	4940-4990 MHz
CHANNEL WIDTH	10 MHz
INTERFACE	
MAC (MEDIA ACCESS CONTROL) LAYER	Cambium Proprietary
PHYSICAL LAYER	OFDM 256 FFT
ETHERNET INTERFACE	10/100BaseT, half/full duplex, rate auto negotiated (802.3 compliant)
PROTOCOLS USED	IPv4, UDP, TCP, IP, ICMP, Telnet, SNMP, HTTP, FTP, PPPoE
NETWORK MANAGEMENT	HTTP, Telnet, FTP, SNMPv2c (compatible with Prizm 3.2 or later and CNUT 3.1 and later)
PERFORMANCE	
ARQ	Yes
MODULATION LEVELS (ADAPTIVE)	1X: QPSK, 2X: 16-QAM, 3X: 64-QAM
LATENCY	5-7 msec roundtrip
FORWARD ERROR CORRECTION	3/4 Reed-Solomon block coding
GPS SYNCHRONIZATION	Yes
QUALITY OF SERVICE	DiffServ QoS
VLAN	802.1ad (DVLAN Q-in-Q), 802.1Q with 802.1p priority, dynamic port VID
MAX. AGGREGATE THROUGHPUT PER SECTOR (@10MHZ CHANNEL)	1X: 7 Mbps, 2X: 14 Mbps, 3X: 21Mbps
LINK BUDGET	
ANTENNA BEAM WIDTH	3dB antenna pattern: 15° azimuth, 15° elevation

SPECIFICATIONS

TRANSMIT POWER	-30 to +18 dBm (to EIRP limit by region) (1dBm interval)
ANTENNA GAIN	Integrated: 17 dBi Connectorized: N/A
MAXIMUM TRANSMIT POWER	18 dBm
EIRP	35 dBm (with integrated antenna)
TYPICAL LOS RANGE	up to 15 miles (24 km) at lowest modulation
SENSITIVITY (dBm typical)	1X: -89 dBm, 2X: -80 dBm, 3X: -71 dBm
PHYSICAL	
WIND LOADING	90 lbs.
MEAN TIME BETWEEN FAILURE	>10 years
ENVIRONMENTAL	IP55
TEMPERATURE	-40°C to +55°C (-40°F to +131°F)
WEIGHT	Radio: 1.3 kg (2.8 lbs)
WIND SURVIVAL	118 mi/hour (190 km/hour)
DIMENSIONS (HxWxD)	Radio: 34 x 21 x 11 cm (13.25" x 8.25" x 4.2") W/Antenna: 73 x 21 x 28 cm (28.75" x 8.25" x 11")
MAXIMUM POWER CONSUMPTION	19 W
INPUT VOLTAGE	24 to 59V
SECURITY	
ENCRYPTION	56-bit DES; 128-bit AES optional
CERTIFICATIONS	
INDUSTRY CANADA CERT	109W-4940
FCC ID	ABZ89FT7631