

Canopy PTP400 Series - Product Specifications 5.4 Ghz 21 Mbps Integrated Antenna



BP5430BH20-2DD Canopy 5.4 GHZ, 30 Mbps OTA, Complete Backhaul , Integrated
Integrated Line of Sight (LOS), Near and Non Line of Sight point-to-point, medium-capacity, backhaul link with adaptive equalization, Package includes, Two Radio ODU's, Two Radio IDU/Power Supplies, Two Sets of mounting hardware

- UV Rated Cat 5 PoE cable sold separately
- Surge Suppressor sold separately
- Software Upgradeable to 43 Mbps Aggregate/60 Mbps OTA

Canopy Part Number	• BP5430BH20-2DD
RF bands	• 5.470 GHz–5.725 GHz*
Channel size	• 5.8 and 5.4 GHz: 12 MHz
Channel selection	• By Intelligent Dynamic Frequency Selection (i-DFS) or manual intervention; automatic detection on start-up and continual adaptation to avoid interference
Transmit power control	• Adaptive, varying between 25 dBm and -10 dBm according to modulation selected and radio path**
System gain	• 5.8 and 5.4 GHz Integrated: Varies with modulation mode; up to 168 dB with 23.5 dBi integrated antenna** Connectorized: Varies with modulation mode and antenna type**
	• 4.9 GHz Integrated: Varies with modulation mode; up to 163 dB** Connectorized: Varies with modulation mode and antenna type**
Receiver sensitivity	• Adaptive, varying between -96.0 dBm and -72 dBm according to modulation selected
Modulation	• Dynamic; 8 modes adapting between BPSK and 64 QAM
Error correction	• FEC, ARQ
Duplex scheme	• TDD ratio 50:50, 66:33; same or split frequency Tx/Rx
Antenna: type/gain/B/W	• Integrated: Integrated flat plate 23 dBi / 7° • Connectorized: Approved to operate with flat plate up to 28 dBi or parabolic dish up to 37.7 dBi; connected via 2 x N-type female
Range	• Up to 124 miles (200 km)***
Data rates Full	• 5.8 and 5.4 GHz: Up to 43 Mbps at the Ethernet; dynamically variable with modulation range from 3.0 Mbps to 43 Mbps (aggregate)
Security and encryption	• Proprietary scrambling mechanism; optional AES 128 Bit Encryption
	• <i>Regulatory conditions for RF bands should be confirmed prior to system purchase</i>
	• ** <i>Gain and maximum transmit power may vary based on regulatory domain</i>
	• *** <i>In all cases the range limit is set by the latest software release</i>
Protocol	• IEEE 802.3
Packet prioritization	• IEEE 802.1p
Interface	• 10 BASE-T / 100 BASE-T (RJ-45)—auto MDI/MDIX switching
Latency	• Throughput Mode: Less than 7 mSec (default) • Latency Mode: Less than 6 mSec
LED indicators	• Power status, Ethernet link status and activity
System management	• Web Server and SNMP
Installation	• Built-in audio assistance for link optimization
Connection	• Distance between outdoor unit and primary network connection: up to 330' (100 meters)
Dimensions	• Integrated outdoor unit (ODU): Width 14.5" (370 mm), Height 14.5" (370 mm), Depth 3.75" (95 mm) • Connectorized ODU: Width 12" (305 mm), Height 12" (305 mm), Depth 4.1" (105 mm) Powered indoor unit (PIDU Plus): Width 9.75" (250 mm), Height 1.5" (40 mm), Depth 3" (80 mm)
Weight	• Integrated ODU: 12.1 lbs (5.5 kg) including bracket • Connectorized ODU: 9.1 lbs (4.3 kg) including bracket PIDU Plus: 1.9 lbs (864 g)
Wind speed	• 150 mph (242 kph)
Power supply	• Integrated with Indoor Unit • 90–240 VAC, 50–60 Hz / 36-60V DC • 55 W max
Operating temperature	• -40°F (-40°C) to +140°F (+60°C), including solar radiation
Protection and safety	• IP65/ UL60950; IEC60950; EN60950; CSA-C22.2 No. 60950
Regulatory	• 5.8 GHz: FCC Part 15, sub-part C 15.247, Eire ComReg 03/42, UK Approval to IR2007 • 5.4 GHz: FCC Part 15, EN 301 893 • 4.9 GHz: FCC Part 90
EMC	• USA—FCC Part 15, Class B; Europe—EN 301 489-4

Specification subject to change without notice, check before placing orders