

5.4 Ghz 43 Mbps Connectorized Antenna



BP5430BHC-1DD Canopy 5.4 GHz, 60 Mbps OTA, Spare Backhaul, Connectorized
Connectorized Line of Sight (LOS), Near and Non Line of Sight point-to-point, medium-capacity, back haul link with adaptive equalization

Package includes, Radio ODU, Radio IDU/Power Supply, Set of mounting hardware

- RG-214 N-Male to N-Male Cable sold separately
- Flat Panel and Parabolic Antennas sold separately
- UV Rated Cat 5 PoE cable sold separately
- Surge Suppressor sold separately

Canopy Part Number	● BP5430BHC-1DD
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