

5.4 Ghz 43 Mbps Connectorized Antenna



BP5430BHC--2DD Canopy 5.4 GHZ, 60 Mbps OTA, Complete 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, Two Radio ODU's, Two Radio IDU/Power Supplies, Two Sets of mounting hardware

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

Canopy Part Number	• BP5430BHC--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**
Receiver sensitivity	• 4.9 GHz Integrated: Varies with modulation mode; up to 163 dB** Connectorized: Varies with modulation mode and antenna type**
Modulation	• Adaptive, varying between -96.0 dBm and -72 dBm according to modulation selected
Error correction	• Dynamic; 8 modes adapting between BPSK and 64 QAM
Duplex scheme	• FEC, ARQ
Antenna: type/gain/B/W	• TDD ratio 50:50, 66:33; same or split frequency Tx/Rx
Range	• Integrated: Integrated flat plate 23 dBi / 7°
Data rates Full	• 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
Security and encryption	• Up to 124 miles (200 km)***
Protocol	• 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)
Packet prioritization	• Proprietary scrambling mechanism; optional AES 128 Bit Encryption
Interface	• <i>Regulatory conditions for RF bands should be confirmed prior to system purchase</i>
Latency	• ** Gain and maximum transmit power may vary based on regulatory domain
LED indicators	• *** In all cases the range limit is set by the latest software release
System management	• IEEE 802.3
Installation	• IEEE 802.1p
Connection	• 10 BASE-T / 100 BASE-T (RJ-45)–auto MDI/MDIX switching
Dimensions	• Throughput Mode: Less than 7 mSec (default)
Weight	• Latency Mode: Less than 6 mSec
Wind speed	• Power status, Ethernet link status and activity
Power supply	• Web Server and SNMP
Operating temperature	• Built-in audio assistance for link optimization
Protection and safety	• Distance between outdoor unit and primary network connection: up to 330' (100 meters)
Regulatory	• Integrated outdoor unit (ODU): Width 14.5" (370 mm), Height 14.5" (370 mm), Depth 3.75" (95 mm)
EMC	• 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)

Specification subject to change without notice, check before placing orders