



5.4 Ghz 21 Mbps Connectorized Antenna

BP5430BHC20-1DD Canopy 5.4 GHZ, 30 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 NMale to NMale Cable sold separately
- Flat Panel and Parabolic Antennas sold separately
- UV Rated Cat 5 PoE cable sold separately
- Surge Suppressor sold separately
- Software Upgradeable to 43 Mbps Aggregate/60 Mbps OTA

- Canopy Part Number** • BP5430BHC20-2DD
 - 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** • 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 Lite** • 5.8 and 5.4 GHz Lite: Up to 21 Mbps at the Ethernet; dynamically variable with modulation range from 1.5 Mbps to 21 Mbps (aggregate)
 - Security and encryption** • Proprietary scrambling mechanism; optional AES 128 Bit Encryption
- Regulatory conditions for RF bands should be confirmed prior to system purchase*
*** Gain and maximum transmit power may vary based on regulatory domain*
**** In all cases the range limit is set by the latest software release*
- 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