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## Canopy PTP400 Series - Product Specifications 5.4 Ghz 43 Mbps Complete Link Integrated Antenna

**BP5430BH-2DD Canopy 5.4 GHZ, 60 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

<b>Canopy Part Number</b>	• <b>BP5430BH-2DD</b>
<b>RF bands</b>	• 5.725 GHz–5.850 GHz* • 5.470 GHz–5.725 GHz* • 4.945, 4.955, 4.965, 4.975, 4.985 GHz*
<b>Channel size</b>	• 5.8 and 5.4 GHz: 12 MHz • 4.9 GHz: 10 MHz
<b>Channel selection</b>	• By Intelligent Dynamic Frequency Selection (i-DFS) or manual intervention; automatic detection on start-up and continual adaptation to avoid interference
<b>Transmit power control</b>	• Adaptive, varying between 25 dBm and -10 dBm according to modulation selected and radio path**
<b>System gain</b>	• 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**
<b>Receiver sensitivity</b>	• Adaptive, varying between -96.0 dBm and -72 dBm according to modulation selected
<b>Modulation</b>	• Dynamic; 8 modes adapting between BPSK and 64 QAM
<b>Error correction</b>	• FEC, ARQ
<b>Duplex scheme</b>	• TDD ratio 50:50, 66:33; same or split frequency Tx/Rx
<b>Antenna: type/gain/B/W</b>	• 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
<b>Range</b>	• Up to 124 miles (200 km)***
<b>Data rates Full</b>	• 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)
<b>Security and encryption</b>	• 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>
<b>Protocol</b>	• IEEE 802.3
<b>Packet prioritization</b>	• IEEE 802.1p
<b>Interface</b>	• 10 BASE-T / 100 BASE-T (RJ-45)–auto MDI/MDIX switching
<b>Latency</b>	• Throughput Mode: Less than 7 mSec (default) • Latency Mode: Less than 6 mSec
<b>LED indicators</b>	• Power status, Ethernet link status and activity
<b>System management</b>	• Web Server and SNMP
<b>Installation</b>	• Built-in audio assistance for link optimization
<b>Connection</b>	• Distance between outdoor unit and primary network connection: up to 330' (100 meters)
<b>Dimensions</b>	• 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)
<b>Weight</b>	• 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)
<b>Wind speed</b>	• 150 mph (242 kph)
<b>Power supply</b>	• Integrated with Indoor Unit • 90–240 VAC, 50–60 Hz / 36-60V DC • 55 W max
<b>Operating temperature</b>	• -40°F (-40°C) to +140°F (+60°C), including solar radiation
<b>Protection and safety</b>	• IP65/ UL60950; IEC60950; EN60950; CSA-C22.2 No. 60950
<b>Regulatory</b>	• 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
<b>EMC</b>	• USA–FCC Part 15, Class B; Europe–EN 301 489-4

**Specification subject to change without notice, check before placing orders**