

Motorola Canopy

300 Mbps Backhaul Module Pair - Connectorized



Description	300 Mbps Backhaul Module Pair - Connectorized
Canopy Part Number	BP5830BHC-2
Market Availability	North America, Europe, South America, Asia
Signaling Rate	300 Mbps
Typical LOS Range	non-LoS Up to 6 Miles (10Km), near-LoS up to 25 Miles (40Km), LoS Up to 40+ Miles (64+Km)
Typical Aggregate Useful Throughput	Dynamically variable modulation ranges from 14 Mbps to 300 Mbps
Frequency range of band	5.725 GHz–5.850 GHz (ISM) / 300 Mbps (Over-the-Air)
Channel Width	30 MHz
Modulation Type	Adapting between BPSK and 256QAM – (13 Modes). Signal is transmitted and received with multiple beams on separate routes – recorrelates signals and brings multi-path signals into phase.
Encryption	Proprietary scrambling mechanism; support of VPN
Nominal Receiver Sensitivity (dbm typical)	Adaptive, varying between -88 dBm and -59 dBm according to modulation selected
Antenna Gain (dB)	Approved to operate with flat plate up to 28 dBi, dish up to 37.7 dBi. 2 x N-type Female
EIRP (dB)	Varies with modulation mode and settings from 0 dBm to 25 dBm. Power Source 90-240 VAC, 50-60 Hz/36-60V DC. Power consumption 55W maximum.
Temperature	-40°F (-40°C) to +140°F (+60°C), including solar radiation
Wind Survival	242 km/hr (150 miles/hr)
Dimensions	Outdoor Unit: 12.2W x 12.2H x 4.1D inches (309 x 309 x 105 mm). Indoor Unit: 9.85W x 1.6H x 3.1D inches (250 x 40 x 80 mm)
Weight	Outdoor Unit: 9.1 lbs (4.1 kg) including bracket
Interface	10BASE-T / 100BASE-T / 1000BaseT (RJ-45) – auto MDI/MDIX Switching, 1000BaseSX option. Provides dual E1/T1 ports (G703/G704, G823/G824).
Protocols Used	IEEE 802.3 compatible
Network Management	Web Server and SNMP using MIBII, WiMAX and private MIB