

Motorola Canopy

60 Mbps Backhaul Module Pair – Connectorized



Description	60 Mbps Backhaul Module Pair – Connectorized
Canopy Part Number	BP5730BHC-2
Market Availability	North America, Europe, South America, Asia
Signaling Rate	60 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 3.0 Mbps to 43 Mbps.
Frequency range of band	5.725 GHz–5.850 GHz (ISM) 60 Mbps (Over-the-Air)
Channel Width	12 MHz
Modulation Type	Adapting between BPSK and 64QAM – (8 Modes). Signal is transmitted and received with multiple beams on separate routes – recorrelates signals and brings multi-path signals into phase. Generates a new set of Adaptive Modulation margins which reduces the probability of codeword errors (and hence packet loss). TDM Mode.
Encryption	Proprietary scrambling, Matched Pair plus Multi-Beam STC
Nominal Receiver Sensitivity (dbm typical)	Adaptive, varying between -96.0 dBm and -72 dBm according to modulation selected
Antenna Gain (dB)	Approved to operate with flat plate up to 28 dBi, dish up to 37.7 dBi
EIRP (dB)	Adaptive. Varying between 25 dBm and -10 dBm according to modulation selected and radio path
Temperature	-40° C to +60° C (-40° F to +140° F) including solar radiation
Wind Survival	242 km/hr (150 miles/hr)
Dimensions	Outdoor unit: Width 12" (305 mm), Height 12" (305 mm), Depth 4.1" (105 mm) Indoor unit: 9W x 1.5H x 3D inches (225 x 38 x 85 mm)
Weight	Outdoor Unit: 9.1 lb (4.1 kg) including bracket, Indoor Unit 1 lb (450 g)
Interface	10BASE-T / 100BASE-T (RJ-45) – auto MDI/MDIX switching
Protocols Used	IEEE 802.3 compatible
Network Management	Web Server and SNMP