Specifications Sheet

Motorola Canopy
30 Mbps Backhaul Module Pair – Connectorized

Description	30 Mbps Backhaul Module Pair – Connectorized
Canopy Part Number	BP5730BHC20-2
Market Availability	North America, Europe, South America, Asia
Signaling Rate	30 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 1.5 Mbps to 21 Mbps. (Upgradeable to 60 Mbps via Software License Key)
Frequency range of band	5.725 GHz–5.850 GHz (ISM) / 30 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: 12.2W x 12.6H x 4.2D inches (309 x 320 x 106 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