Specifications Sheet

Motorola Canopy
60 Mbps Backhaul Module Pair – Integrated

Description	60 Mbps Backhaul Module Pair – Integrated
Canopy Part Number	BP5730BH-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 dBm and -72 dBm according to modulation selected
Antenna Gain (dB)	System Gain Varies with modulation mode between 167 dBm and 138 dBm using integrated antenna
EIRP (dB)	Adaptive. Varying between 25 dBm and -10 dBm according to modulation selected and radio path
Antenna Beam Width	Integrated flat plate / 23 dBi / Narrow 7 degree Beam Width
Temperature	-40°F (-40°C) to +140°F (+60°C), including solar radiation
Wind Survival	242 km/hr (150 miles/hr)
Dimensions	Outdoor unit: 14.5 W x 14.5 H x 3.75D inches (370 x 370 x 95 mm). Indoor unit: 9W x 1.5H x 3D inches (225 x 38 x 85 mm)
Weight	6.5 kg (12.1 lb)including bracket
Interface	10BASE-T / 100BASE-T (RJ-45) – auto MDI/MDIX switching
Protocols Used	IEEE 802.3 compatible
Network Management	Web Server and SNMP