

Motorola Canopy
300 Mbps Backhaul Module Pair – Integrated



Description	300 Mbps Backhaul Module Pair – Integrated
Canopy Part Number	BP5830BH-2
Market Availability	North America
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 5 Mbps to 269 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 – (6 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 -92 dBm and -63 dBm according to modulation selected
Antenna Gain (dB)	System gain Varies with modulation mode between 163 dBm and 128 dBm using 23dBi Integrated
Equivalent Isotropic Radiated Power (EIRP)	Varies with modulation mode and settings from 0 dBm to 24 dBm
DC Power (typical)	55 W maximum
Antenna Beam Width	Integrated flat plate / 23 dBi / Narrow 7 degree Beam Width
Temperature	-40° C to +60° C (-40° F to +140° F)
Wind Survival	242 km/hr (150 miles/hr)
Dimensions	Outdoor Unit: 14.5W x 14.5H x 3.75D inches (370 x 370 x 95 mm). Indoor unit: 9W x 3H x 1.5D inches (225 x 85 x 38 mm)
Weight	Outdoor Unit: 11.3 lb (5.2 kg) Indoor Unit: 1 lb (450 g)
Interface	10BASE-T / 100BASE-T / 1000BaseT (RJ-45) – auto MDI/MDIX Switching, 1000BaseSX option
Protocols Used	IEEE 802.3 compatible
Network Management	Web Server and SNMP using MIBII, WiMAX and private MIB