Specifications Sheet

Motorola Canopy
150 Mbps 5.7 GHz BH pair - Integrated

Canopy Part Number	5830BH15
Description	150 Mbps 5.7 GHz BH pair - Integrated
Market Availability	North America, Europe,
Signaling Rate	150 Mbps
Typical LOS Range	non-LoS Up to 6 Miles (10Km),near-LoS up to 25 Miles (40Km),LoS Up to 124 Miles (200Km)
Typical Aggregate Useful Throughput	Dynamically variable modulation ranges from 7 Mbps to 150 Mbps
Frequency range of band	5.725 GHz–5.850 GHz (ISM)
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
Latency	1 msec
Nominal Receiver Sensitivity (dbm typical)	Adaptive, varying between -88 dBm and -59 dBm according to modulation selected
Antenna Gain (dB)	System gain Varies with modulation mode between 160 dB and 124 dB using 23dBi Integrated antenna
DC Power (typical)	90-240 AC / 36-60V DC, 55W max
Antenna Beam Width	Integrated flat plate / 23 dBi / Narrow 8 degree Beam Width
Mean Time Between Failure (MTBF)	57 yrs
Temperature	-40F to 140F (-40C to +60C)
Wind Survival	150 mph (242 kph)
Dimensions	Outdoor Unit: 14.5W x 14.5H x 3.75D inches (370 x 370 x 95 mm). Indoor unit: 8W x 3H x 1.5D inches (200 x 75 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. Provides single E1/T1 ports (G.703/G.704, G.823/G.824).
Protocols Used	IEEE 802.3 compatible
Network Management	Web Server and SNMP using MIBII, WiMAX and private MIB