

Specifications Sheet



Motorola Canopy

300 Mbps Backhaul Module Pair - Connectorized



Description	300 Mbps Backhaul Module Pair - Connectorized
Canopy Part Number	BP5830BHC-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)	Approved to operate with flat plate up to 28 dBi, dish up to 37.7 dBi. 2 x N-type Female
EIRP (dB)	Varies with modulation mode and settings from 0 dBm to 24 dBm
DC Power (typical)	55 W maximum
Temperature	-40°F (-40°C) to +140°F (+60°C), 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 3H x 1.5D inches (225 x 85 x 38 mm)
Weight	Outdoor Unit: 9.1 lb (4.1 kg) including bracket. 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

Specifications subject to change without notice.

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