

Motorola Canopy

30 Mbps Backhaul Module Pair – Integrated



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| Description                                | 30 Mbps Backhaul Module Pair – Integrated   |
| Canopy Part Number                         | BP5730BH20-2  |
| 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 – re-correlates 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: Width 14.5" (370 mm), Height 14.5" (370 mm), Depth 3.75" (95 mm)<br>Indoor unit: 9W x 1.5H x 3D inches (225 x 38 x 85 mm)   |
| Weight                                     | Outdoor Unit: 12.1 lb (6.5 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   |