



# 2401BHRFBC Specifications

**Motorola Canopy 2.4GHz Backhaul 10 Mbps Signaling Rate with reflector and AES - 2401BHRFBC.** Adding another layer of encryption (AES) to the Canopy wireless broadband platform further secures sensitive data by providing a 128-bit encryption more secure than other encryption programs such as filtering, Wired Equivalent Protocol (WEP), Secure Sockets Layer (SSL) and Transport Layer Security (TLS) and Triple Data Encryption Standard (3DES)

- Two units are required for a complete link.
- Power Supply, Surge Suppressor and Mounting Bracket sold separately.

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| Description                                | • 2.4 GHz Backhaul Module 10 Mbps AES  |
| Canopy Part Number                         | • 2401BHRFBC   |
| Market Availability                        | • North America, South America, Asia   |
| Signaling Rate                             | • 10 Mbps  |
| Typical LOS Range                          | • 5 Mi (8 km)  |
| Typical Aggregate Useful Throughput        | • 7.5 Mbps   |
| Frequency range of band                    | • ISM 2400-2483.5 MHz  |
| Non-overlapping Channels                   | • 3  |
| Channel Width                              | • 20 MHz   |
| Channel Spacing                            | • every 2.5 MHz  |
| Modulation Type                            | • High Index 2-level Frequency Shift Keying (FSK) optimized for interference rejection |
| Encryption                                 | • FIPS 197 certified AES capable   |
| Latency                                    | • 2.5 msec   |
| Carrier to Interference ratio (C/I)        | • ~3dB @ 10 Mbps, ~10dB @ 20 Mbps at -65dBm  |
| Nominal Receiver Sensitivity (dbm typical) | • -86 dBm  |
| Antenna Gain (dB)                          | • 8 dB   |
| Reflector Gain                             | • 11 dB  |
| EIRP (dB)                                  | • Adjustable   |
| Equivalent Isotropic Radiated Power (EIRP) | • Adjustable from 10 mW to 2.0 W   |
| DC Power (typical)                         | • 0.34 A @ 24 VDC = 8.2 W  |
| Antenna Beam Width                         | • 3 dB antenna beam width 60 degrees, Azimuth and Elevation                            |
| Temperature                                | • -40° C to +55° C (-40° F to +131° F)   |
| Wind Survival                              | • 190 km/hr (118 miles/hr)   |
| Dimensions                                 | • 11.75 in H x 3.4 in W x 3.4 in D (29.9 cm H x 8.6 cm W x 8.6 cm D)                   |
| Weight                                     | • .45 kg (1 lb)  |
| Access Method                              | • Time Division Duplex (TDD)   |
| Interface                                  | • 10/100 Base T, half/full duplex. Rate auto negotiated (802.3 compliant)              |
| Protocols Used                             | • IPV4, UDP, TCP, ICMP, Telnet, HTTP, FTP, SNMP  |
| Network Management                         | • HTTP, TELNET, FTP, SNMP Version 2c   |
| FIPS                                       | • AES product is FIPS 197 certified  |
| Encryption                                 | • FIPS 197 certified AES capable   |

*Specification subject to change without notice, check before placing orders*

## Your Notes

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