



www.Canopy-Wireless-Solutions.com - Canopy PTP 100 Series

2401BH20BC Specifications

Motorola Canopy 2.4GHz Backhaul 20 Mbps Signaling Rate with AES - 2401BH20BC. 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).

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

| | |
|--|--|
| Description | • 2.4 GHz Backhaul Module 10 Mbps AES |
| Canopy Part Number | • 2401BH20BC |
| Market Availability | • North America, South America, Asia |
| Signaling Rate | • 20 Mbps |
| Typical LOS Range | • 2 mi (3.2 km) |
| Typical Aggregate Useful Throughput | • 14.0 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 4-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 |
| 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 |

Specification subject to change without notice, check before placing orders

Your Notes

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____