



## 9001APBC Canopy 900 Mhz Access Point, Integrated Antenna, AES

Motorola Canopy Wireless Broadband System at 900 MHz CWS solution for long range, near and non-line-of-sight ISP applications. Motorola Canopy Wireless 900 MHz AP product provides reliable and fast connection (up to 4.5 Mbps per sector) to those customers who are not able to be reached in 2.4 and 5 GHz networks. For Enterprise/Campus Networks and WiSP's

- [Discount Pricing](#)
- Long Range, Near Line of Sight, Rural Applications
- Derives Power from CMM Micro
- Individual Power Supply Sold Separately
- Surge Suppressor sold separately

**Canopy Part Number** • **9000APFBC**

**Description** • 900 MHz Access Point Module, Integrated Antenna, with AES

**Market Availability** • North America, South America, Asia

**Signaling Rate** • 6 Mbps maximum

**Typical LOS Range** • 40 Miles (64 km)

**Typical Aggregate Useful Throughput** • 4 Mbps maximum

**Frequency range of band** • ISM 902-928 MHz

**Non-overlapping Channels** • 3

**Channel Width** • 8 MHz

**Modulation Type** • High Index 2-level and 4-level Frequency Shift Keying (FSK) optimized for interference rejection

**Channel Spacing** • 1 MHz

**Encryption** • FIPS 197 certified AES capable

**Latency** • < 15 msec

**Carrier to Interference ratio (C/I)** • ~3dB @ 3 Mbps, ~10dB @ 6 Mbps at -70dBm

**Nominal Receiver Sensitivity (dbm typical)** • -90 dBm

**Antenna Gain (dB)** • 12 dBi

**EIRP (dB)** • 36 dBm

**Equivalent Isotropic Radiated Power (EIRP)** • 4 W

**DC Power (typical)** • 0.3 A @ 24 VDC = 7.2 W

**Antenna Beam Width** • 60 degree beam width azimuth and 35 degree elevation ~12.5 dBi

**Mean Time Between Failure (MTBF)** • 40 yr

**Temperature** • -40° C to +55° C (-40° F to +131° F)

**Wind Survival** • 190 km/hr (118 miles/hr)

**Dimensions** • 19.5 H x 12 W x 4.75 D (50 cm H x 30 cm W x 12 cm D)

**Weight** • 5.4 kg (12.5 lb)

**Access Method** • Time Division Duplexing/Time Division Multiple Access (TDD/TDMA)

**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

**FCC ID** • ABZ89FC5809

**Industry Canada Certification Number** • 109W-9000

**FIPS** • AES product is FIPS 197 certified