



9001APFBC Canopy 900 Mhz Access Point, Integrated, Interference filter & 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	• 9001APFBC
Description	• 900 Mhz Access Point, Integrated Antenna, with interference filter & AES
Canopy Part Number	• 9001APF
Description	• 900 MHz AP AES with Interference Mitigation Filter Kit
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
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	• 6.1 kg (13.5 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 certifie