



9001SMFBC Canopy 900 Mhz Subscriber Module, Integrated Antenna, with interference filter, AES

Motorola Canopy Wireless Broadband System at 900 MHz CWS solution for long range, near and non-line-of-sight ISP applications. 900 MHz products provide reliable and fast connections (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
- Includes unit power supply
- Surge Suppressor sold separately

Canopy Part Number	● 9001SMFBC
Description	● Canopy 900 Mhz Subscriber 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

Specifications subject to change without notice