



9000SMFBC Canopy 900 Mhz Subscriber Module, Integrated Antenna, with interference filter

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 • 9000SMFBC

Description • 900 MHz Integrated SM with Interference Mitigation Filter

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 • DES 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) • 12.5 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 year

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

Specifications subject to change without notice