



## 9001SMCBC Canopy 900 Mhz Subscriber Module, Connectorized, 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
- External Antenna and coaxial jumpers sold separately

**Canopy Part Number** ● **9001SMCBC**

**Description** ● Canopy 900 Mhz Subscriber Module, Connectorized. With AES (External antenna)

**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)** ● varies

**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** ● Connectorized 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** ● 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)  
Antenna Varies

**Weight** ● .45 kg (1 lb), antenna varies.

**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**