



## 9000SMCBC Canopy 900 Mhz Subscriber Module, Connectorized

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

<b>Canopy Part Number</b>	● <b>9000SMCBC</b>
<b>Description</b>	● Canopy 900 Mhz Subscriber Module, Connectorized (External antenna)
<b>Market Availability</b>	● North America, South America, Asia
<b>Signaling Rate</b>	● 6 Mbps maximum
<b>Typical LOS Range</b>	● 40 Miles (64 km)
<b>Typical Aggregate Useful Throughput</b>	● 4 Mbps maximum
<b>Frequency range of band</b>	● ISM 902-928 MHz
<b>Non-overlapping Channels</b>	● 3
<b>Channel Width</b>	● 8 MHz
<b>Modulation Type</b>	● High Index 2-level and 4-level Frequency Shift Keying (FSK) optimized for interference rejection
<b>Channel Spacing</b>	● 1 MHz
<b>Encryption</b>	● DES capable
<b>Latency</b>	● < 15 msec
<b>Carrier to Interference ratio (C/I)</b>	● ~3dB @ 3 Mbps, ~10dB @ 6 Mbps at -70dBm
<b>Nominal Receiver Sensitivity (dbm typical)</b>	● -90 dBm
<b>Antenna Gain (dB)</b>	● varies
<b>EIRP (dB)</b>	● 36 dBm
<b>Equivalent Isotropic Radiated Power (EIRP)</b>	● 4 W
<b>DC Power (typical)</b>	● 0.3 A @ 24 VDC = 7.2 W
<b>Antenna Beam Width</b>	● Connectorized 60 degree beam width azimuth and 35 degree elevation ~12.5 dBi
<b>Mean Time Between Failure (MTBF)</b>	● 40 yr
<b>Temperature</b>	● -40° C to +55° C (-40° F to +131° F)
<b>Wind Survival</b>	● 190 km/hr (118 miles/hr)
<b>Dimensions</b>	● 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
<b>Weight</b>	● .45 kg (1 lb), antenna varies.
<b>Access Method</b>	● Time Division Duplexing/Time Division Multiple Access (TDD/TDMA)
<b>Interface</b>	● 10/100 Base T, half/full duplex. Rate auto negotiated (802.3 compliant)
<b>Protocols Used</b>	● IPV4, UDP, TCP, ICMP, Telnet, HTTP, FTP, SNMP
<b>Network Management</b>	● HTTP, TELNET, FTP, SNMP Version 2c
<b>FCC ID</b>	● ABZ89FC5809
<b>Industry Canada Certification Number</b>	● 109W-9000

**Specifications subject to change without notice**