

Specifications Sheet



Motorola Canopy 900 MHz Subscriber Module



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| Description | 900 MHz Subscriber Module |
| Canopy Part Number | 9000SM |
| Market Availability | North America, South America, Asia |
| Signaling Rate | 3.3 Mbps |
| Typical LOS Range | 40 Miles (64 km) |
| Typical Aggregate Useful Throughput | 2.1 Mbps |
| Frequency range of band | ISM 902-928 MHz |
| Non-overlapping Channels | 3 |
| Channel Width | 8 MHz |
| Channel Spacing | 1 MHz |
| Modulation Type | High Index 2-level Frequency Shift Keying (FSK) optimized for interference rejection |
| Encryption | DES capable |
| Latency | < 15 msec |
| Carrier to Interference ratio (C/I) | <3 dB |
| Nominal Receiver Sensitivity (dbm typical) | -90 |
| Antenna Gain (dB) | 12.5 |
| Reflector Gain | 0 |
| EIRP (dB) | 36 |
| 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 |
| 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.

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