

Specifications Sheet



Motorola Canopy 900 MHz Subscriber Module



Description	900 MHz Subscriber Module
Canopy Part Number	9000SM
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
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)	-3dB @ 3 Mbps, -10dB @ 6 Mbps at -70dBm
Nominal Receiver Sensitivity (dbm typical)	-90 dB
Antenna Gain (dB)	12.5 dB
EIRP (dB)	36 dB
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

Specifications subject to change without notice.