

Motorola Canopy
5.7 GHz Advantage SM AES



Canopy Part Number	5751SM
Description	5.7 GHz Advantage SM AES
Market Availability	North America, Latin America, Asia
Signaling Rate	20 Mbps Maximum
Typical LOS Range	2 mi (3.2 km), 10 mi (16 km) with reflector
Typical Aggregate Useful Throughput	14 Mbps to 1 Mi
Frequency range of band	ISM 5725-5850 MHz
Non-overlapping Channels	6
Channel Width	20 MHz
Modulation Type	High Index 2-level and 4-level Frequency Shift Keying (FSK) optimized for interference rejection
Channel Spacing	configurable on 5 MHz increments
Encryption	AES Capable
Latency	5 - 7 msec
Carrier to Interference ratio (C/I)	-3dB @ 10 Mbps, -10dB @ 20 Mbps at -65dBm
Nominal Receiver Sensitivity (dbm typical)	-86 dBm @ 10 Mbps, -79dBm @ 20 Mbps
Antenna Gain (dB)	7 dBi
EIRP (dB)	30 dBm (48 dBm with reflector)
Equivalent Isotropic Radiated Power (EIRP)	1W (63 W with reflector)
DC Power (typical)	0.3 A @ 24 VDC = 7.2 W
Antenna Beam Width	3 dB antenna beam width 60 degrees, Azimuth and Elevation
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)
Weight	.45 kg (1 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	ABZ89FC5804
Industry Canada Certification Number	109W-5700
NYCE	0202CE08128