

Motorola Canopy
5.4 GHz Advantage SM



Canopy Part Number	5450SM
Description	5.4 GHz Advantage SM
Signaling Rate	20 Mbps Max
Typical LOS Range	2 Mi (3.2 km) max
Typical Aggregate Useful Throughput	14 Mbps to 1 Mi (1.6 km)
Frequency range of band	U-NII 5470-5725 MHz
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	DES 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 (dBi)	7 dBi
EIRP (dBm)	Adjustable to 30 dBm (where approved)
Equivalent Isotropic Radiated Power (EIRP)	Adjustable to 1 W (where approved)
DC Power (typical)	0.3A @ 24VDC = 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	ABZ89FT7623
Industry Canada Certification Number	109W-5400
CE	"CE" marked & compliant to EN301 893, Implements DFS & TPC. DoCs are available at http://www.canopywireless.com/doc.php