

Specifications Sheet



Motorola Canopy 5.4 GHz Advantage SM AES



Canopy Part Number	5451SM
Description	5.4 GHz Advantage SM AES
Market Availability	Europe
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	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)	Adjustable
Equivalent Isotropic Radiated Power (EIRP)	Adjustable
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
CE	"CE" marked & compliant to EN301 893, Implements DFS & TPC. DoCs are available at http://www.canopywireless.com/doc.php

Specifications subject to change without notice.