

Specifications Sheet



Motorola Canopy CSM 54100: 5.4 GHz SM AES



Canopy Part Number	5401SM
Description	CSM 54100: 5.4 GHz SM AES
Signaling Rate	10 Mbps, 20 Mbps with Advantage AP
Typical LOS Range	2 Miles (3.2 km)
Typical Aggregate Useful Throughput	7 Mbps
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
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 dB
Antenna Gain (dBi)	7 dB
EIRP (dBm)	30 dB max
Equivalent Isotropic Radiated Power (EIRP)	Adjustable to 1W
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

Specifications subject to change without notice.