

Specifications Sheet



Motorola Canopy

CAP09200: 900 MHz AP AES with Interference Mitigation Filter Kit



Canopy Part Number	9001APF
Description	CAP09200: 900 MHz AP AES with Interference Mitigation Filter Kit
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
Frequency range of band	ISM 902-928 MHz
Non-overlapping Channels	3
Channel Width	8 MHz
Modulation Type	High Index 2-level and 4-level Frequency Shift Keying (FSK) optimized for interference rejection
Channel Spacing	1 MHz
Encryption	FIPS 197 certified AES capable
Latency	< 15 msec
Carrier to Interference ratio (C/I)	-3dB @ 3 Mbps, -10dB @ 6 Mbps at -70dBm
Nominal Receiver Sensitivity (dbm typical)	-90 dBm
Antenna Gain (dBi)	12 dBi
EIRP (dBm)	36 dBm
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	6.1 kg (13.5 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
FIPS	AES product is FIPS 197 certified

Specifications subject to change without notice.

MOTOROLA and the Stylized M Logo are registered in the U.S. Patent and Trademark Office. All other product or service names are the property of their respective owners. © Motorola, Inc. 2009