

Specifications Sheet



Motorola Canopy

2.4 GHz Advantage Access Point Module



Description	2.4 GHz Advantage Access Point Module
Canopy Part Number	2450AP
Signaling Rate	10 Mbps
Typical LOS Range	5 Mi (8 km)
Typical Aggregate Useful Throughput	7.0 Mb
Frequency range of band	ISM 2400-2483.5 MHz
Non-overlapping Channels	3
Channel Width	20 MHz
Channel Spacing	every 2.5 MHz
Modulation Type	High Index 2-level Frequency Shift Keying (FSK) optimized for interference rejection
Encryption	DES capable
Latency	5 - 7 msec
Carrier to Interference ratio (C/I)	<3 dB
Nominal Receiver Sensitivity (dbm typical)	-86
Antenna Gain (dB)	8
EIRP (dB)	Adjustable
Equivalent Isotropic Radiated Power (EIRP)	Adjustable from 10 mW to 2.0 W
DC Power (typical)	0.3 A @ 24 VDC = 7.2 W
Antenna Beam Width	3 dB antenna beam width 60 degrees, Azimuth and Elevation
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

Specifications subject to change without notice.

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