

*Motorola Canopy*  
2.4 GHz Advantage AP AES



Description	2.4 GHz Advantage AP AES
Canopy Part Number	2451AP
Market Availability	Europe, North America
Signaling Rate	20 Mbps Maximum
Typical LOS Range	5 Mi (8 km)
Typical Aggregate Useful Throughput	14 Mbps Maximum
Frequency range of band	ISM 2400-2483.5 MHz
Non-overlapping Channels	3
Channel Width	20
Channel Spacing	every 2.5 MHz
Modulation Type	High Index 2-level Frequency Shift Keying (FSK) optimized for interference rejection
Encryption	FIPS 197 certified 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 (dB)	8 dB
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
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