

Motorola Canopy
2.4 GHz Advantage AP AES



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| Canopy Part Number | 2451AP |
| Description | 2.4 GHz Advantage AP AES |
| 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 |
| Modulation Type | High Index 2-level and 4-level Frequency Shift Keying (FSK) optimized for interference rejection |
| Channel Spacing | configurable on 2.5 MHz increments |
| 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 dBm @ 10 Mbps, -79dBm @ 20 Mbps |
| Antenna Gain (dB) | 8 dBi |
| 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 |

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Specifications subject to change without notice.