



2451APBC Canopy 2.4 Ghz Access Point Advantage with AES

Motorola Canopy Broadband Wireless Advantage Access Points offer higher capacity with lower latency. Range of up to ten miles (2.4 GHz SM with reflector). Each Motorola Canopy Broadband Wireless AP requires a 24-volt power source and uses a single 10/100 BaseT Half/Full duplex connection to interface into Motorola Canopy CMM or appropriate network connection

- [Discount Pricing](#)
- MSRP \$2,395.00 Check Shopping Cart for Your Cost
- Normally Powered via CMM (PoE)
- [Individual Power Supply Sold Separately](#)
- [Surge Suppressor sold Separately](#)
- Connectorized Cat 5 UV resistant Ethernet Cables Sold Separately
- [Individual Mounting Bracket Sold Separately](#)
- Cluster Mounting Kit Sold Separately
- [27RDB 18 dB Gain Reflector Kit Sold Separately](#)
- [Canopy Access Point User Manual](#) (4Mb)

Canopy Part Number	• 2451APBC
Description	• Canopy 2.4 Ghz Access Point Advantage with 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

Specifications subject to change without notice