

5200SMDD Canopy 5.2 Ghz Subscriber Module Classic

The SM is the subscriber termination unit or the Customer Premise Equipment (CPE). It consists of a single module that operates with an integrated 60-degree antenna. Each SM can communicate to a single AP Module at any given time. SM synchronization and control is accomplished via the received AP signal. SMs are typically located outdoor and Line of Sight (LOS) from the APs. Once the SM is initialized, it scans the Radio Frequency (RF) channels and automatically registers with the appropriate AP

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Canopy Part Number	● 5200SMDD
Description	● Canopy 5.2 Ghz Subscriber Module Classic
Market Availability	● North America
Signaling Rate	● 10 Mbps, 20 Mbps with Advantage AP
Typical LOS Range	● 2 mi (3.2 km)
Typical Aggregate Useful Throughput	● 7 Mbps
Frequency range of band	● U-NII 5250-5350 MHz
Non-overlapping Channels	● 3
Channel Width	● 20 MHz
Modulation Type	● High Index 2-level and 4-level Frequency Shift Keying (FSK) optimized for interference rejection
Channel Spacing	● configurable on 5 MHz increments
Encryption	● DES capable
Latency	● 6 msec with Advantage AP, 15 msec with Canopy AP
Carrier to Interference ratio (C/I)	● ~3dB @ 10 Mbps, ~10dB @ 20 Mbps at -65dBm
Nominal Receiver Sensitivity (dbm typical)	● -86 dBm
Antenna Gain (dB)	● 7 dBi
EIRP (dB)	● 30 dBm
Equivalent Isotropic Radiated Power (EIRP)	● 1 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
FCC ID	● ABZ89FC3789
Industry Canada Certification Number	● 109W-5200
NYCE	● 0202CE08128

Specifications subject to change without notice