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[Motorola Canopy Point to Multipoint 5.2 Ghz Series - Product Specifications](#)

5251SMBC Canopy 5.2 Ghz Subscriber Module Advantage with AES

Canopy Advantage SM offers highest Capacity and lowest Latency. 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 Subscriber Module Users Manual \(2Mb\)](#)
- [About Canopy Advantage](#)
- [Canopy AES overview](#)

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| Canopy Part Number | ● 5251SMBC |
| Description | ● Canopy 5.2 Ghz Subscriber Module Advantage with AES |
| Market Availability | ● North America |
| Signaling Rate | ● 20 Mbps Maximum |
| Typical LOS Range | ● 2 Mi Max |
| Typical Aggregate Useful Throughput | ● 14 Mbps Maximum |
| 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 | ● 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) | ● 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