

Motorola Canopy

CAP 54400: 5.4 GHz AP with integrated antenna AES



Canopy Part Number	5441AP
Description	CAP 54400: 5.4 GHz AP with integrated antenna AES
Signaling Rate	35 Mbps Maximum
Typical LOS Range	up to 5 miles (8 km) at lowest modulation
Typical Aggregate Useful Throughput	21 Mbps (Max)
Frequency range of band	U-NII 5470-5725 MHz
Non-overlapping Channels	up to 25
Channel Width	10 MHz channels centred on 5480-5710 (guard bands excluded)
Modulation Type	1X = QPSK (3/4); 2X = 16QAM (3/4); 3X = 64QAM (3/4)
Channel Spacing	Configurable on 5MHz increments
Encryption	AES
Latency	5-7 msec
Nominal Receiver Sensitivity (dbm typical)	1X: -89 dBm, 2X: -78 dBm, 3X: -70dBm
Antenna Gain (dBi)	17dBi
EIRP (dBm)	27dBm max
DC Power (typical)	<12.6W at 29.5VDC
Antenna Beam Width	90 degree coverage for 4-sector applications
Mean Time Between Failure (MTBF)	>40 years
Temperature	-40 degree C to +55 degree C (-40 degree F to +131 degree F) Humidity: 0 to 95%, non-condensing
Wind Survival	190km/hour (118mi/hour)
Dimensions	28.75" H x 8.25" W x 11" D (73 cm H x 20.96cm W x 27.94cm D)
Weight	~13 lbs. (5.91 kg)
Access Method	Time Division Duplexing/Time Division Multiple Access (TDD/TDMA)
Interface	10/100BaseT, half/full duplex, rate auto negotiated (802.3 compliant)
Protocols Used	IPv4, UDP, TCP, IP, ICMP, Telnet, SNMP, HTTP, FTP
Network Management	HTTP, Telnet, FTP, SNMPv2 (compatible with Prizm 3.1 or later and CNU2 3.0 and later)
FCC ID	ABZ89FT7629
Industry Canada Certification Number	109W-5440
CE	"CE" marked & compliant to EN301 893, Implements DFS & TPC. DoCs are available at http://www.canopywireless.com/doc.php