



WB2636CC Specifications

Motorola Canopy 4.9 Ghz Public Safety System, Single End/Spare, Connectorized Antenna, Maximum 17 Mbps useable aggregate throughput PN WB2636CC

Near and Non Line of Sight point-to-point, high-capacity, link,

Package includes, Radio ODU, Radio IDU/Power Supply, Set of mounting hardware

- RG-214 NMale to NMale Cable sold separately
- Flat Panel and Parabolic Antennas sold separately
- UV Rated Cat 5 PoE cable sold separately
- Surge Suppressor sold separately
- Software Upgradeable to 35 Mbps

Canopy PN • WB2636CC

RF Band • 4.940 GHz–4.990 GHz - *Regulatory conditions for RF bands should be confirmed prior to system purchase*

Channel Center Frequency • 4945, 4955, 4965, 4975, 4985 MHz; *i*-DFS or manual

Channel Bandwidth • 10 Mhz

Channel Selection • Dynamic frequency control By *Intelligent* Dynamic Frequency Selection (*i*-DFS) or manual intervention

Transmit Power Control • Adaptive, varying between -10 and 23 dBm according to modulation selected and radio path

EIRP • < 45 dBm

System Gain Connectorized • Depends on Modulation Level and Antenna characteristics
Gain and maximum transmit power may vary based on regulatory domain

Receiver Sensitivity • Adaptive, varying between -96.0 dBm and -72.0 dBm according to modulation level

Modulation • Dynamic, 8 modes adapting between BPSK and 64 QAM

Error Correction • FEC, ARQ

Connectorized Antenna Gain • Approved to operate with flat plate up to 28 dBi or parabolic dish up to 37.7 dBi; connected via 2 x N-type female

Range • LOS up to 124 Mile (200 Km) ^ Range limit set by software release level

Useable Throughput Data Rates (Lite) • Lite - Up to 17 Mbps at the Ethernet

Security & encryption • Proprietary scrambling mechanism; optional AES 128-Bit Encryption; FIPS-197 compliant

Protocol • IEEE 802.3

Packet prioritization • IEEE 802.1p

Interface • 10 BASE-T / 100 BASE-T (RJ-45)–auto MDI/MDIX switching

Latency • 5 ms typical

T1/E1 • Via external multiplexer

LED indicators • Power status, Ethernet link status and activity

System management • Web Server and SNMP

Installation • Built-in audio assistance for link optimization

Connection Distance • Outdoor unit and primary network connection: up to 330' (100 meters)

Dimensions Connectorized Outdoor Unit • Width 12" (305 mm), Height 12" (305 mm), Depth 4.1" (105 mm)

Weight Connectorized Outdoor Unit • 9.1 lbs (4.3 kg) including bracket

Weight PIDU Plus • 1.9 lbs (864 g)

Survival Wind speed • 150 mph (242 kph)

Power source • 90–240 VAC, 50–60 Hz / 36-60V DC

Power consumption • 40 W typical

Operating temperature • -40°F (-40°C) to +140°F (+60°C), including solar radiation

Protection and safety • UL60950; IEC60950; EN60950; CSA-C22.2 No. 60950

FCC • Part 90