

WB2627CC Specifications



Motorola Canopy 4.9 Ghz Public Safety System, Complete Link, Integrated Antenna, Maximum 17 Mbps useable aggregate throughput PN WB2627CC

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

Package includes, Two Radio ODU's, Two Radio IDU/Power Supplies, Two Sets of mounting hardware

- UV Rated Cat 5 PoE cable sold separately
- Surge Suppressor sold separately
- Software Upgradeable to 35 Mbps

Canopy PN • WB2627CC

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 Integrated • Between 163 and 134 dB

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

Integrated Antenna Gain/BW • 22 dBi 7 degrees Az/EI

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

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

Protocol • IEEE 802.3

Packet prioritization • IEEE 802.1p

Error Correction • FEC, ARQ

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

Duplex scheme • TDD ratio 50:50, 66:33; same or split frequency Tx/Rx

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

Latency • Throughput Mode: Less than 7 mSec (default)
Latency Mode: Less than 6 mSec

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 Integrated Outdoor Unit • Width 14.5" (370 mm), Height 14.5" (370 mm), Depth 3.75" (95 mm)

Weight Integrated Outdoor Unit • 12.1 lbs (5.5 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