

# WB2632CC Specifications



**Motorola Canopy 4.9 Ghz Public Safety System, Single End/Spare, Integrated Antenna, Maximum 17 Mbps useable aggregate throughput PN WB2632CC**

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

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

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

- Canopy PN** • WB2632CC
- 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