

# WALL MOUNT DUPLEXER



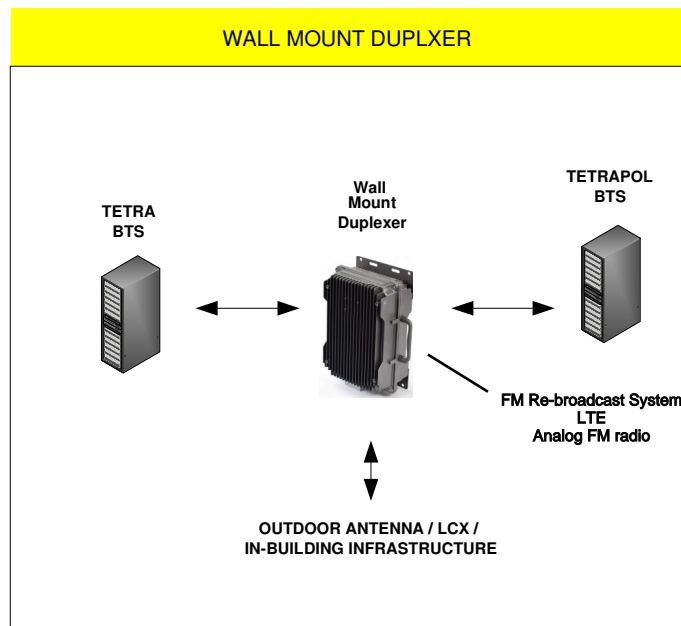
Applications: To Extend Coverage in Tunnels, Underground spaces, In-Buildings etc. for

- TETRA
- TETRAPOL
- FM Broadcast
- LTE
- P25
- Conventional FM

The Wall Mount Duplexer distributes multiple RF wireless services such as TETRA, TETRAPOL, FM broadcast, LTE etc. for broadcast, traffic management and public safety communications to areas where radio signals are attenuated by buildings, steel-reinforced structures and other obstacles in the radio path. *The type of RF services and their frequency bands can be customised to meet customer requirements.*

The Wall Mount Duplexer is compact and designed to IP 65 for operation in harsh outdoor environment. It is especially relevant in areas where auxiliary RF distribution systems such as Leaky Cables (LCX), in-door antennas etc. are installed to boost signal levels for reliable communications, specifically:

- \* In-Building
- \* Mines
- \* Basements
- \* Underground Metro
- \* Tunnels
- \* Inside Ships
- \* Inside Factories



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## Specifications:

### Electrical Specifications:

|                      |  |
|----------------------|--|
| Models               | WMD-TETRA380-TETRA410  |
| Frequency Ranges     | 380~400 Mhz & 410~430 Mhz  |
| Nominal Impedance    | 50 ohm   |
| Minimum Return Loss  | < -18 dB   |
| Insertion Loss       | < 2 dB   |
| Port RF Isolation    | > = 60 dB  |
| Pass Bandwidth       | TETRA (DL 390~395Mhz, UL 380~385Mhz), TETRA (DL 420~427Mhz UL 410~417Mhz), |
| Connector Type       | N Female   |
| Max Power (per port) | 100 Watts  |

### Mechanical Specifications:

|                           |               |
|---------------------------|---------------|
| Dimension (LxBxH)         | 355x351x188mm |
| Weight                    | < 20 kg       |
| Watertight and Dust-proof | IP65          |

### Environmental Specifications:

|                       |                    |
|-----------------------|--------------------|
| Operating Temperature | 0~+55 degree C     |
| Humidity              | 95% non-condensing |



Contact dealers for more information