



UNDERGROUND COMMUNICATION NODE

WFR-UCN

WIRELESS DISTRIBUTION EQUIPMENT UNIT THAT PERMITS MULTIPLE RF FREQUENCIES TO BE MERGED UNDERGROUND AT A DEFINED CONNECTION POINT FOR COMBINING AND DISTRIBUTING 802.11x WIFI SIGNALS IN CONJUNCTION WITH TRANSIT TRUNK RADIO AND RAILWAY SIGNALING CIRCUITS IN AN UNDERGROUND STATION OR TUNNEL ENVIRONMENT

FEATURES & BENEFITS

- Provides a Convenient Connection Point From Multiple Sources - Electrical, Hybrid-Fiber, Fiber, LCX and LMR RF Cables.
- 316 Stainless Steel NEMA type 4X Rated Enclosure
- IP68 Fiber Gland Strain Relief
- Tool-less Type N RF Bulkhead Connectors IP68 Rated
- Interior Fiber Fusion Splice and Breakout Tray
- Mil-spec and EN Compliant Autoranging AC-DC Switcher Capable of Providing up to 500 Watts to 4 Isolated Outputs.
- Custom Configurable RF Access Point Shelf to Accommodate Multiple Frequency Bands not Limited to 2.4GHz, 3.65GHz, 4.9GHz, 5.8GHz and 5.9GHzDSRC
- Bi-Directional Mil-Spec Band Specific Amplification



LMR/LCX CONNECTIONS

FIBER/POWER HYBRID-INPUT



UCN SPECIFICATIONS

- Dimensions : H24"xW20"x10" (406x305x254mm)
- Estimated Ship Weight : 70lbs / 31.75kg

CONFIGURATION OPTIONS

- ONE/TWO/THREE RADIOS
- 2 WATT/4 WATT AMPLIFIERS
- DIPLEXER BANDS FOR TRUNK RADIO OR CELLULAR SERVICE
- SINGLE MODE OR MULTIMODE FIBER

