

## Digital Microwave Radio

### SRD\_15GHZ\_16E1\_11

#### ODU (Outdoor Unit):

- Dimensions:(H×W×D) 260 × 230×150mm
- Weight (2 ODU&COMBINER) : 16 kg (1+1)
- Temperature range: -33 ~ + 55 C
- Power consumption(1+1) : < 60 Watt
- Box Test point: AGC
- Configuration 1+1

#### System Parameters:

- Frequency range: 14.4 to 15.35 GHz (ITU-R F.636-3)
- Frequency step : 3.5 MHz
- Modulation type : modified CPM
- Aperture polarization : Vertical & Horizontal (WR-62)
- System gain for BER 10E-3 based on capacity : 99 ~ 108 dB
- Traffic capacity: 2E1 ~ 16E1 G.703
- Software controlled output power range: MTPC & ATPC (30 dB , 1dB step )

#### Transmitter Parameters:

- TX output power : 24 dBm
- Frequency stability : ± 5 p.p.m
- Transmitter spectrum : class 1 ETSI EN 301 128 V1.2.1
- Maximum cable length: 200 m (50 Ohm)

#### Receiver Parameters:

- Frequency stability: ±5 ppm
- Sensitivity (BER=10E-6) typical Sensitivity : -79dBm , guaranty : -77dBm
- Channel spacing : 28 MHz
- Maximum RF input : -20 dBm

#### 1+1 Hot Standby Features:

- Asymmetric Combiner: 1.5dB/6.5dB Insertion Loss
- Symmetric Combiner: 3dB/3dB Insertion Loss
- TX Switch Time Delay <20 msec
- RX Switch Time Delay <10 msec

