

## Digital Microwave Radio

### SRD\_18GHZ\_16E1\_11

#### ODU (Outdoor Unit):

Dimensions:(H×W×D) 230 × 230×120mm

Weight (2 ODU& COMBINER) : 13 kg

Temperature range: - 33 ~ + 55 C

Power consumption(1+1) : < 48 Watt

#### System Parameters:

Frequency range: 17.7 to 19.7 GHz ( ITU-R F.637 -2 )

Frequency step : 3.5 MHz

Modulation type : modified CPM

Aperture polarization : Vertical & Horizontal (WR-42)

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 : 18 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 : 2E1=3.5 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

