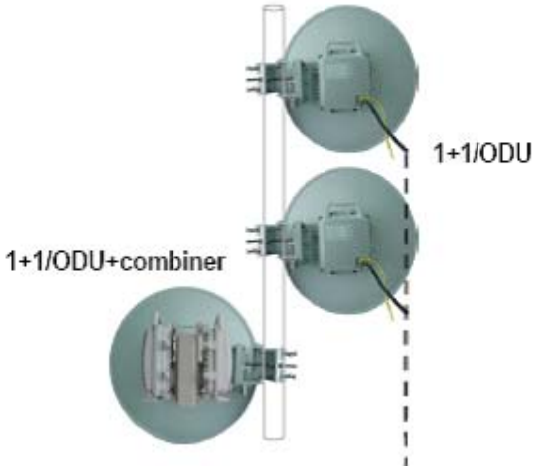
MEGALINK | PDH Microwave Radio

Overview

MegaLink digital microwave radios is the best solution for Telco, ISP and Corporate. It is widely recognized and used in various countries. The MegaLink series Digital Microwave Radio is an Enhanced flagship product in the point-to-point PDH market, which provides a high degree of value proposition and configuration flexibility, ideal for rapid installation in a modern communications network.

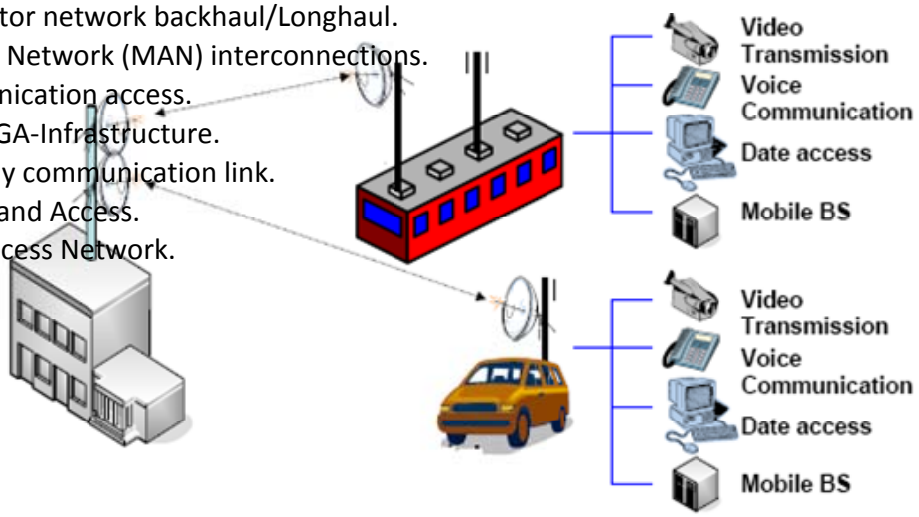
Features

- 2E1-16E1 capacity in Selectable Modulation.
- E1, V.35 or 10/100Base-T Ethernet Interface.
- Managable and configurable locally or remotely.
- Network Managemen System (NMS).
- BER TEST LCD Display on the front panel.
- Efficient Low power consumed.
- Network Redundancy with Option 1+1.
- Available Frequency **7**/**8**/**13**/**15**/**18**GHz.



Applications

- GSM/CDMA operator network backhaul/Longhaul.
- Metropolitan Area Network (MAN) interconnections.
- Enterprise communication access.
- E-government MEGA-Infrastructure.
- PSTN switches relay communication link.
- Internet Backhaul and Access.
- Intercity / Rural Access Network.



SPECIFICATION	
WORKING FREQUENCY	7.425-7.725GHz
STANDARD	ETSI
MODULATION	QPSK
RF CONNECTOR(STANDARD)	WAVEGUIDE FLANGE（BJ-84）（WR112）
FREQUENCY STABILITY	+/-5ppm
CHANNEL BANDWIDTH	7/14/28MHz
T/R SPACING	161/154 MHz
IF PART	RX 70MHz TX 310MHz
SYSTEM GAIN	RX 75dB±3dB TX 40dB±3dB
INDOOR UNIT (IDU) TO OUTDOOR UNIT (ODU) CABLE INTERCONNECTION	
CABLE ACCOUNT/TYPE/IMPEDANCE	COAXIAL-CABLE 50Ohms
RECOMMENDABLE CABLE	8D-FB OR SIMILAR CABLE
UTMOST LENGTH OF CABLE	200m
CONNECTOR TYPE	N-TYPE MALE
TRANSMITTER	
TRANSMIT POWER(ENSURE)	MAXIMUM POWER +23dBm
TRANSMIT POWER CONTROL RANGE	SOFTWARE CONTROL 10dB，1dB/STEP
AUTOMATIC GAIN CONTROL RANGE	INPUT -25dBm—-2dBm OUTPUT POWER INVARIABLENES
INTERMODULATION OUTPUT	IM3≦-26dBc
TRANSMIT PHASE NOISE	-60dBc/±1KHz，-80dBc/±10KHz，-95dBc/±100KHz，
UTMOST POWER FOR IF INPUT	10dBm
RECEIVER	
SENSITIVITY BER=10^{-6} 4E1/8E1/16E1	-88/-85/-82dB
AGC RANGE	≧60dB
UTMOST POWER FOR RF INPUT	-10dBm
NOISE FIGURE	≦6dB
FEC (STANDARD)	RS CODE
RECEIVE POWER LEVEL RSSI	RECEIVE -30dBm—-90dBm, OUTPUT VOLTAGE 4.5V—0.5 V
ENVIRONMENT	
SAFETY TEMPERATURE OF ODU	-33℃ TO +50℃
SAFETY TEMPERATURE OF IDU	-5℃ TO +45℃
ODU HUMIDITY	ADAPT FOR ANY WEATHER (REACH 100%)
IDU HUMIDITY	+40℃ AT 95%
ALTITUDE	UTMOST ALTITUDE 4,500m
POWER SUPPLY	
DC POWER SUPPLY	-48VDC（36-60VDC）
DC CONSUMPTION	IDU：10W，ODU：20W
MECHANISM	
IDU (COMPATIBLE WITH EIA 19” FRAME STANDARD)	SIZE：482x44x272mm（WxHxD） WEIGHT： 3KG
ODU	SIZE：240x280x120mm（WxHxD） WEIGHT： 4.75KG

DATA INTERFACE	
INTERFACE STARDARD	ITU G.703
LINE INTERFACE	75Ω UNBALANCE/120Ω BALANCE
INTERFACE DATA RATE	4E1/8E1/16E1
SUBSIDIARY AND MANAGEMENT INTERFACE	
NMS PROTOCOL	SNMP
CONNECTION MODE	100/10Base—T/RJ45
ANTENNA (INSTALL THROUGH WAVEGUIDE DIRECTLY OR INDIRECTLY)	
TYPE	PARABOLOID, HIGH PERFORMANCE, FULL FREQUENCY BAND
DAIMETER	0.3m，0.6m 1.2m，1.6m，2m
POLARIZATION	VERTICAL OR HORIZONTAL
STANDARD	
RF CHANNEL CONFIGURATION	ITU-R Rec.F.386-6
EMC/EMI	EN 300 386-2， EN 300 385
ENVIRONMENT	ETSI ETS 300 019-2-4
OTHERS	
REDUNDANT MODE	1+0，1+1，OPTION

Distributor