

SkyLINK 5117 Series

5.8GHz 16E1+LAN PTP Digital Radios



E1 Point to Point Digital Radios is an emerging wireless telecommunication technology which combines high frequency microwave technology, digital modulation and demodulation technology, computer control and telecommunication technology. It has been used widely in the aspects of post, electricity, academics, various enterprises, military, and professional systems especially for connecting between base stations of mobile communication. As an approach of rapid connection, it could also been used in emergency and urgent communication widely. It is fast to setup, and can be deployed with great ease during urgent times when the need for communication is imminent. The E1 PTP Digital Radios of K-best technology could be operated in the frequency of ISM 2.4GHz, 5.8GHz and could be customized according to customer's need. The system is a multi-function and multi-purpose total solution of voice which provides data transmission rate from 2 E1 to 16E1.

Benefits

- **E1 PTP Digital Radio**
- **Support Data Rate : 16E1+LAN**
- **Products are available in the licensed band of 5.8GHz**
- **Customization Frequency**
- **Transmission Distance up to 40km**
- **Wide Operating Temperature: -30~60 °C**
- **Signal Indicator greatly simplifies antenna installation**
- **SNMP Supported**

Features

System

Capacity

16E1+LAN

System Frequency

5.725 ~ 5.875GHz

Communication Mode

FDD

Emission Type

MSSS(Multiple Sequence Spread Spectrum)

Signal Indicator Function:

5-LED Indication

>-75dBm: 1 LED ON

>-55dBm: 3 LEDs ON

>-35dBm: 5 LEDs ON

Tx Output Power

= 22dBm

Rx Dynamic Range

-84dBm~-15dBm

Receiver Max Input

< -10dBm

Gain Flatness

Rx ± 1 dB, Tx ± 1 dB

Tx & Rx Isolation

60dB



Modulation

QPSK

Sensitivity @ BER 10^{-6}

<-81dBm(8E1)

RF Channel 1 channels (16E1+LAN)	Data Transmission (AUX1) Protocol: RS-232/RS422 Interface: DB-9
Channel Spacing 3.5 ~ 28 MHz	Data Transmission (AUX2) Protocol: Asynchronous/Synchronous Interface: DB-25
PA Control 10~22dBm(25°C)	User Input Type: Photo-coupled(TTL) Interface: DB-26 Number: 8
Transmission Distance 2~40km	User Output Type: Relay output Interface: DB-26 Number: 4
Digital Line Interface E1 Digital Interface RJ-48 Balanced, 120 ohm	Management NMS Telnet, SNMP v1.0, SNMP v2.0, MIB II
Module 16E1+LAN	Operation System Linux, Win98, WinMe, Win2000, WinXP
BER Signal Display on IDU LCD	Power / Environment Power Input DC -48V / 1A (-36~72V)
RSSI Antenna Alignment	Operating Temperature IDU: -5~55 °C ODU: -30~60 °C
Data Interface RF Interface N-type	Humidity IDU: 10%~95%, non-condensing ODU: 0%~100%
IF Cable Type & Length RG-6 100m RG-8 200m	Dimension ODU: 392(w) × 310(h) × 156(d) mm; 6.84 kg IDU: 435(w) × 280(d) × 44(h) mm; 4.04 kg
Service Channel Telephone Frequency: 300-3400MHz Interface: RJ-11	Warranty 1 Years Limited Warranty
Monitoring Data Protocol: RS-232 Interface: DB-9	
Stack and Remote Monitoring Protocol: RS-232 Interface: DB-9	

						
			KBNT5822-16		KBNT5828-25	
			5725~5875MHz		5725~5875MHz	
			22		28.5	
			Panel		Solid Dish	
Polarization			Horizontal, vertical		Horizontal, vertical	
Beamwidth		Hor.	6		6	
		Ver.	6		6	
VSWR			1.4		1.15	
Dimensions(mm)			350*350*37,1.2kg		F60cm	
Connector			N-male		N-type	
Standard			Yes		No	