

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



Model Number.		KBNT5822-16	KBNT5828-25
Frequency		5725~5875MHz	5725~5875MHz
Gain(dBi)		22	28.5
Type		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