

Doteck

Doteck i16 Series

**16-channel Analog Audio Digital fiber optic
Transmission System**



Features

- (1) Audio 20-bit encoder/decoder.
- (2) Audio input/output balance/unbalance transform automatically.
- (3) ESD protection.
- (4) Transmission distance up to 100 KM.
- (5) All components, including connectors, are ordered from public-known manufacturers in the world, high stability and reliability ensurance
- (6) Enclosure box material is made of aluminum, elegant appearance, light weight
- (7) PCB boards made with environment friendly Pb-free and RoHS Compliant
- (8) Convenient instructions of LED status indicator, audio activity, optical link,

power supply etc.

Applications

Radio station audio programme transmission

Public site such as gymnasium/theater audio transmission

Introduction

Dotek i16 series is a high performance broadcast quality 16-channel audio transmission system. Input 16-channel analog audio. Output 16-channel analog audio.

Dotek i16 series technical specifications are over broadcast quality, which is widely used in radio stations.

Due to the advanced digital fiber optic transmission technology, almost you need not make any adjustments, simple to set up, easy to operate.

Technical Specification

Audio input	
Number of channel	16
Signal Resolution	20 bits
Frequency response	20Hz-20KHz@-0.5dB
Operating mode	Balanced or unbalanced
Max input level	17.4Vp-p(+18dBm)
Isolation	>90dB@1kHz;>90dB@20kHz
Input impedance	600Ω or big resistance
Connector	XLR
Audio output	
Number of channel	16
Signal Resolution	20 bits
Frequency response	20Hz-20KHz@-0.5dB
Operating mode	Balanced or unbalanced
Max output level	17.4Vp-p(+18dBm)
SNR(weighted)	>90dB
THD	<0.2%
Isolation	>90dB@1KHz;>90Db@20khZ
Delay	2 degree
Amplitude match	±0.2dB
Output impedance	small resistance
Connector	XLR
Physical	
Dimension(HxWxD)	86×430×230 (mm)
Power Supply	130 - 255VAC,50-60Hz
Power Consumption	<20W
Operating Temperature	0 - +50 °C
Humidity	0 - 95% RH, non-condensing

LED Status Indicator	Power, Optical Link, Audio Activity
Optical	
Fiber Type	Single mode or Multimode
Number of fiber	1
Wavelength	1310nm and/or 1550nm
Fiber Optic Connector	FC/PC
Transmission Distance	0-80km

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