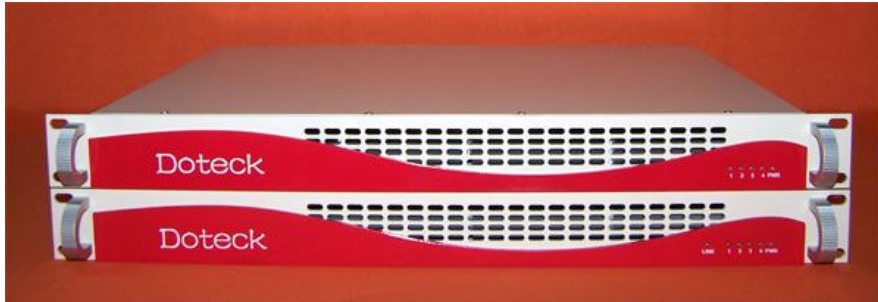


# Doteck

## Doteck i4 Series

### 4-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 i4 series is a high performance broadcast quality 4-channel audio transmission system. Input 4-channel analog audio. Output 4-channel analog audio.

Dotek i4 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

<b>Audio input</b>	
Number of channel	4
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
<b>Audio output</b>	
Number of channel	4
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

<b>Physical</b>	
Dimension(HxWxD)	44×433×340 (mm)
Power Supply	95 - 260VAC,50-60Hz
Power Consumption	<20W
Operating Temperature	0 - +50 °C
Humidity	0 - 95% RH, non-condensing
LED Status Indicator	Power, Optical Link, Audio Activity
<b>Optical</b>	
Fiber Type	Single mode
Number of fiber	1
Wavelength	1310nm / 1550nm
Fiber Optic Connector	FC/PC, or SC/PC
Transmission Distance	0-40km, or 0-80km, or 0-120km optional

# Doteck

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