

U 923A 音频总线收发器测试仪 产品规格书

U 923A Audio Bus Transceiver Tester Product Specifications

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产品简介



U 923A A2B 音频总线收发器测试仪

U 923A 是基于目前新兴音频总线A2B 测试的分析解决方案。A2B 技术的确定性使其合适在远距离的音频场景使用,结合软件工具可以高效的进行各种 A2B 部件的测试,比如扬声器, 音频放大器, 麦克风阵列, 传感器及驱动器。

可选作为主或从节点进行仿真

U 923A 支持多种接口, 拥有内部TDM、外部音频接口 S/PDIF和3.5mm Analog接口, 适用于研发和量产测试。

产品参数

U 923A 参数	
驱动	Shuttle
A2B 接口	工业级连接器
通讯控制	USB
工作电压	12V
外部接口类型	S/PDIF 、 Analog
输出至从节点电压	5V-8V拨码开关可调
尺寸(mm)	96*33*140 (W x H x D)
适用温度	-20°C~50°C
芯片型号	AD2428

基本特点

- 兼容 AD240x, AD241x, AD242x及243x系列收发器
- 支持内部TDM接口可调, 兼容性强, 可生成各类型测试信号, 支持WAV等
- 可作为主节点仿真, 或者从节点仿真
- 支持3.5mm模拟输入输出接口
- 支持S/PDIF输入输出接口
- 输出至从节点电压5V-8V可调
- 通过AD Sigma Studio可快速配置A2B网络
- 无缝支持Audio Expert和SIO LAB, 可对节点信号进行快速分析, 例如频响、幅值、THD+N等

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Product introduction



U 923A A2B Audio Bus Transceiver Tester

U 923A is an analysis solution based on the currently emerging audio bus A2B testing. The deterministic nature of A2B technology makes it suitable for use in long-distance audio scenarios. Combined with software tools, it can efficiently test various A2B components, such as speakers, audio amplifiers, microphone arrays, sensors and drivers.

It can be selected as a master or slave node for simulation.

U 923A supports multiple interfaces, featuring an internal TDM interface, an external audio interface S/PDIF, and a 3.5mm Analog interface, making it suitable for both R&D and mass production testing.

Specifications

U 923A Parameter	
Driver	Shuttle
A2B interface	Industrial-grade connector
Communication control	USB
Operating voltage	12V
External interface type	S/PDIF 、 Analog
Output voltage to slave node	5V-8V Dip switch is adjustable
Dimension(mm)	96*33*140 (W x H x D)
Operating Temperature	-20°C~50°C
Chip model	AD2428

Basic features

- Compatible with AD240x, AD241x, AD242x and 243x series transceivers
- Supports adjustable internal TDM interface, high compatibility, can generate various types of test signals, supporting WAV and more
- It can be configured to emulate a master or a slave node
- Supports 3.5mm analog input/output interfaces
- Supports S/PDIF input/output interfaces
- Output adjustable slave node voltage ranging from 5V to 8V
- A2B network can be rapidly configured via AD Sigma Studio
- Seamlessly supports Audio Expert and SIO LAB, enabling rapid analysis of node signals for metrics, such as frequency response, amplitude, and THD+N

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