

# ITD 1024

INFOTAINMENT TEST DEVICE  
A<sup>2</sup>B-TRANSRECEIVER



## PRODUCT

**Application:** Production Test Systems, Development Tester, Validation, Screening



Platinum  
Alliance  
Partner



SIEMENS



Management  
System  
ISO 9001:2008  
www.noffz.com  
ID: 9105011383



**FAST › FLEXIBLE › FOCUSED**



ITD is a test device for the new audio bus system „A<sup>2</sup>B“ known from the automotive industry. In combination with the NOFFZ UTP this device allows you to simply test various components like audio speaker, amplifiers and Microphone-Arrays.



Front



Back

## ITD 1024 INFOTAINMENT TEST DEVICE FOR A<sup>2</sup>B

- › Data rate: 50 Mbit/s
- › Audio channel: 32 independent up- and downstreams
- › Single-Master, Multiple/slave bus
- › Network: 11 knots (1x Master/10x Slave)
- › 10 m max. between two knots
- › 40 m max. total bus length
- › Network configuration: 350 ms (research period)
- › Knot configuration: 35 ms (research period)
- › Phantom power up to 300 mA
- › 24 Bit & 32 Bit channel
- › SECEDED = Single Error Correction and Double Error Detection
- › Steerable GUI
- › SW GUI: Configuration for audio speaker, amplifiers and microphones
- › Made for new generation A<sup>2</sup>B Chips
- › LabVIEW API for further automated test integration available

Mechanics	ITD 1024
Housing	169 mm x 52 mm x 100 mm (B x H x T)
Weight	629 g
<b>Input</b>	
Input voltage	12 VDC
Input current	1.25 A (max.)
Power supply	Suitable power supply included in delivery
Power Jack	2.1 mm x 5.5 mm

Interfaces	Variable Audio format A <sup>2</sup> B-Interfaces
PC-Interface	RJ 45
Micro Controller	16 bit
Memory	64 kbit FRAM
Chip generation	AD242X downward compatible
A <sup>2</sup> B interface	Molex: Series 502352 2 pins (unshielded twisted pair)
Audio interface	XLR differential analog audio (balanced)
Sampling Rate	12 kHz, 24 kHz, 32 kHz, 44.1 kHz, 48 kHz,
Chip Sampling Rate	1.5 kHz, 1.171 kHz, 2 kHz, 2.4 kHz, 3 kHz, 4 kHz, 6 kHz, 12 kHz, 24 kHz, 44.1 kHz, 48 kHz

Future interfaces	
Electrical S/PDIF	Cinch/XLR/Cat5
Optical S/PDIF	Toslink TORX173; TOTX173
I <sup>2</sup> S	Supported
TDM	TDM2 - TDM32
PDM	Inputs for high-dynamic range microphones