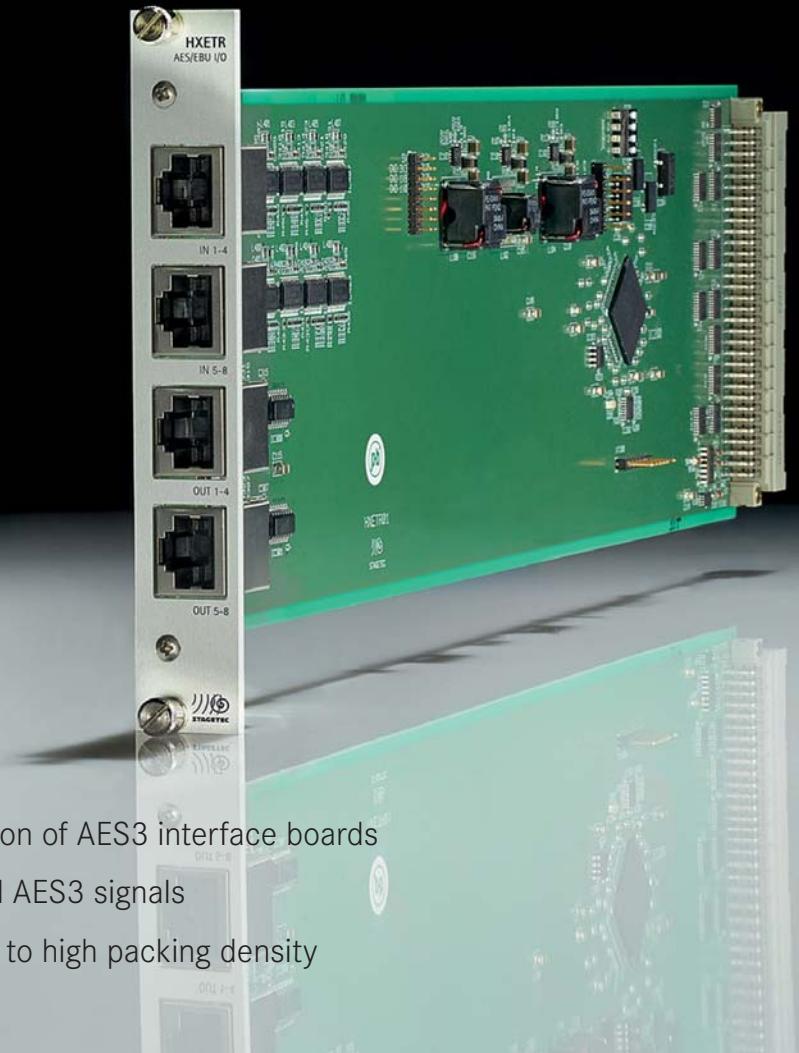


HXETR / XETR

The new generation of NEXUS-AES3 cards



- The latest generation of AES3 interface boards
- 4 to 8 bidirectional AES3 signals
- Cost-effective due to high packing density

XETR and HXETR constitute a new generation of AES3 interface boards for NEXUS systems. For the first time, AES3 inputs and outputs are combined on one NEXUS card.

XETR can process four bidirectional AES3 signals, provides sample rate converters on all inputs and outputs, and comes with either XLR or BNC connectors. XETR can also operate as an input or output only card.

With 8 bidirectional AES3 signals, HXETR has twice the capacity of XETR. It is ideal for fixed installations and is supplied with either D-Sub 25 or RJ45 connectors.



NEXUS Digital Audio Routing and Interconnect System

HXETR / XETR

Overview

Specifications	XETR	HXETR
Audio Channels	8	16
Bidirectional	yes	
Input frequencies	32 kHz - 192 kHz	
Output Frequencies	44,1/48 kHz, 88,2/96 kHz, 176,4/192 kHz	44,1/48 kHz, 88,2/96 kHz (NEXUS system frequencies)
Sample rate converter	input and output sides	input side only
Gain on all input and output channels	separately adjustable: mute to +20dB	
Transparent transmission of AES user data bits (CUVZ)	yes	
XCPU test signal generator	yes	
Available I/O connectors	XLR + BNC	AES59 + RJ45 compliant D-Sub25
FPGA firmware updatable via XCPU	yes	
Inputs as sync source for XCPU	yes	
Synchronisation of an output to the matched input	yes	no
Complies with the following standards	AES3-1992r (1997), IEC 60958, EIAJ CP-1201, AES11-1997	
Dimensions	355 mm x 128 mm 8HP (XLR) bzw. 4HP (BNC)	355 mm x 128 mm 4HP
Weight	ca. 280 g	ca. 250 g

Specifications	Parameter	Unit	Min.	Type	Max.	Note
General information	Voltage	V		5		
	Current	mA		380		@48 kHz, SRCs off
				500		@48 kHz, SRCs off
				600		@48 kHz, SRCs off
				700		@48 kHz, SRCs off
	Temperature range	°C	0		70	
Outputs	Differential Output Voltage	V		3,3		
	Output Impedance	Ohm		110		
	Recommended Cable Length	m	0		100	
Inputs	Sample Rate	kHz	30		200	
	Differential Input Sensitivity	mV		150	200	
	Input Impedance	Ohm		110		
	Recommended Cable Length	m	0		100	
Sample Rate Converter	THD+N	dB	-140	-130	-115	
	Delay	ms		1,2		
	Sample Rate	kHz	30		200	

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