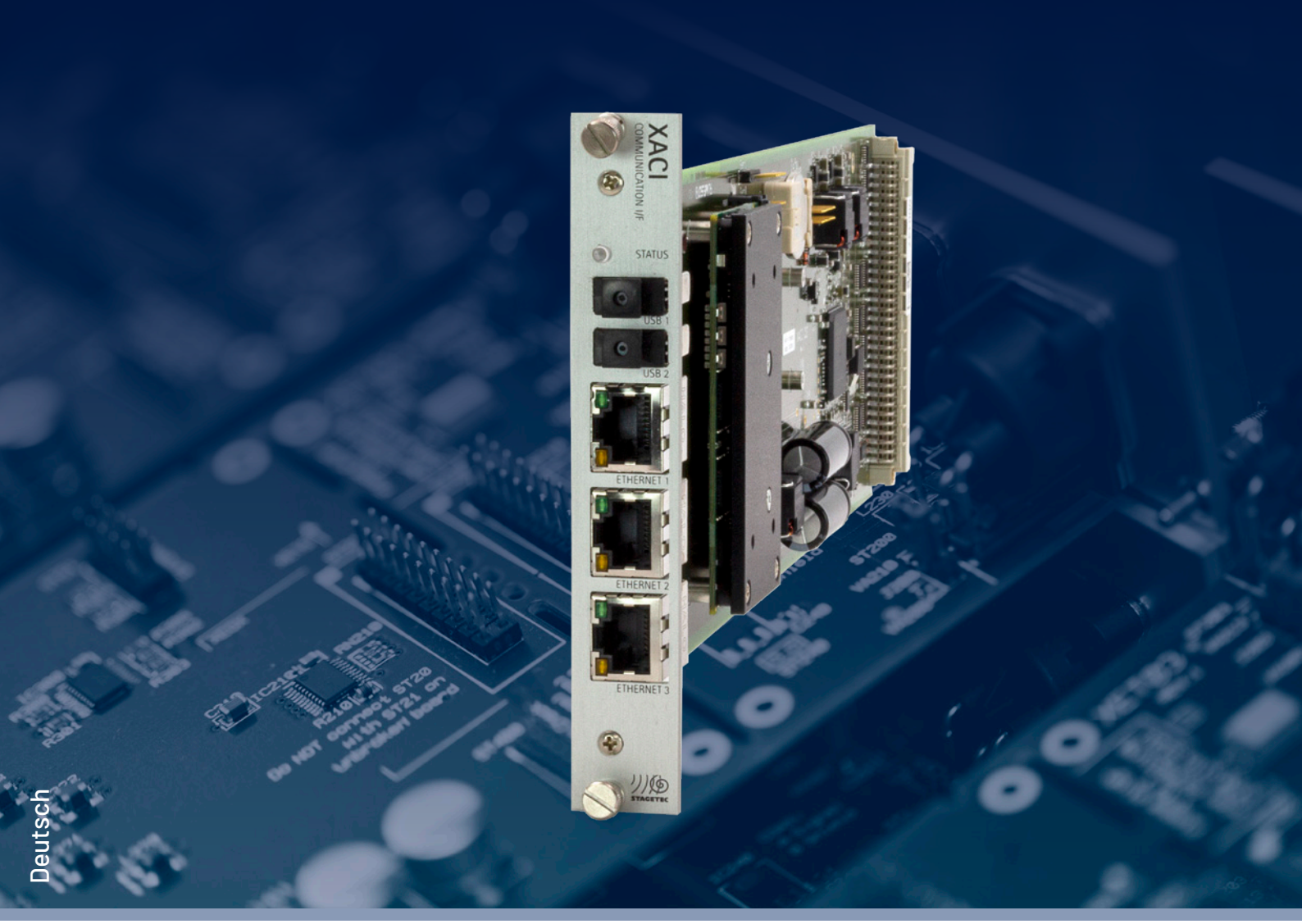


Deutsch

XACI

control interface

STAGETEC

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SIGNALMANAGEMENT

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The processor-based NEXUS interface board for high-end interface implementations

The XACI board is designed as a universal board for advanced interface solutions, protocol converters, intelligent interfaces and other such tasks. Typical interfaces such as USB and Ethernet as well as an optional SSD hard disk make countless applications for the computer-like module conceivable.

With the XACI board, NEXUS users have a board at their disposal that meets universal requirements with an integrated processor and an optional SSD hard disk. Depending on the programming implemented, the card performs complex interface functions such as working as an EMBER+ gateway or as a web server that is tailored for dedicated applications such as the remote web control of the ON AIR Flex mixing console , etc. Devices that exchange bidirectional control commands and statuses with the NEXUS system can be connected via the USB and Ethernet ports. Almost unlimited amounts of data can be stored on the SSD hard disk, which can be transferred to or output from the system as required.

Self-sufficient computer system
To implement dedicated control solutions, the XACI card contains a self-sufficient computer system (SMARC) with an ARM processor as central unit.

USB and Ethernet interfaces
Communication can take place via the two USB or three Ethernet interfaces.

Optional memory expansion through SSD hard disk
Optional memory expansion through SSD hard disk

Buffered supply voltage
The SMARC computer system is buffered by a capacitor to ensure that access and write operations can be safely terminated.

Electronic fuse of the module
The XACI card is protected by an electronic fuse. When this is activated, the module is deactivated until the next switch-off/on. This state is indicated by an LED.

Connection of the ON-AIR-flex system
Workflows are increasingly being adapted to IP technology. For the EmBER+ control protocol, the XACI board is a starting point for controlling the input parameters of the microphone inputs or switching crosspoints. As a multi-function board with control intelligence, the XACI board can be the host for the On Air Flex modular mixing console system, connecting the control modules and communicating control commands to the XCMC mixing console board in which DSP-based audio processing is performed.

CONNECTIONS			
XACI_01	1 x 4TE		
USB	2x	USB	bidirektional
RJ45	3x	RJ45	bidirektional

TECHNICAL SPECIFICATIONS	
Processor	
Architecture	ARM, Cortex A9
Number of cores	4 (max.)*
CPU	800 MHz
RAM	1 GB (typ.), 2 GB (max.)*
Storage	4 GB, SLC Flash*
SSD	Upgradeable through mSATA port
	(* depending on version)
USB port	
quantum	2
Version	Compliant with USB 2.0, Type A (host); standard-compliant pinout, no galvanic isolation
Data rate	480 Mbit/s
Output voltage	5 V
Output current	500 mA
Cable length	5 m (max.) @ 90-ohm line (±15%), or 25 m with active extension
Ethernet ports	
Port	3 (internal switch)
Connector	RJ 45
Sample rates	1 Gbit/s
Audio data	
Sample rates	44,1 kHz, 48 kHz, 88,2 kHz, 96 kHz
Operation conditions	
Temperature range	0 °C to +50 °C
max humidity	max. 90 %, non-condensing
Storage conditions	
Temperature range	-35 °C to +70 °C
max humidity	max. 90 %, non-condensing
Power supply	
Voltage	+4,75...5,25 V
Weight	type. 1 A, short-term max. 2 A
Mechanical data	
Weight	0,38 kg

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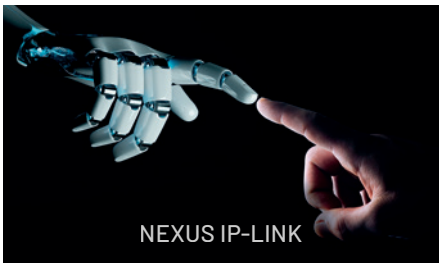
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