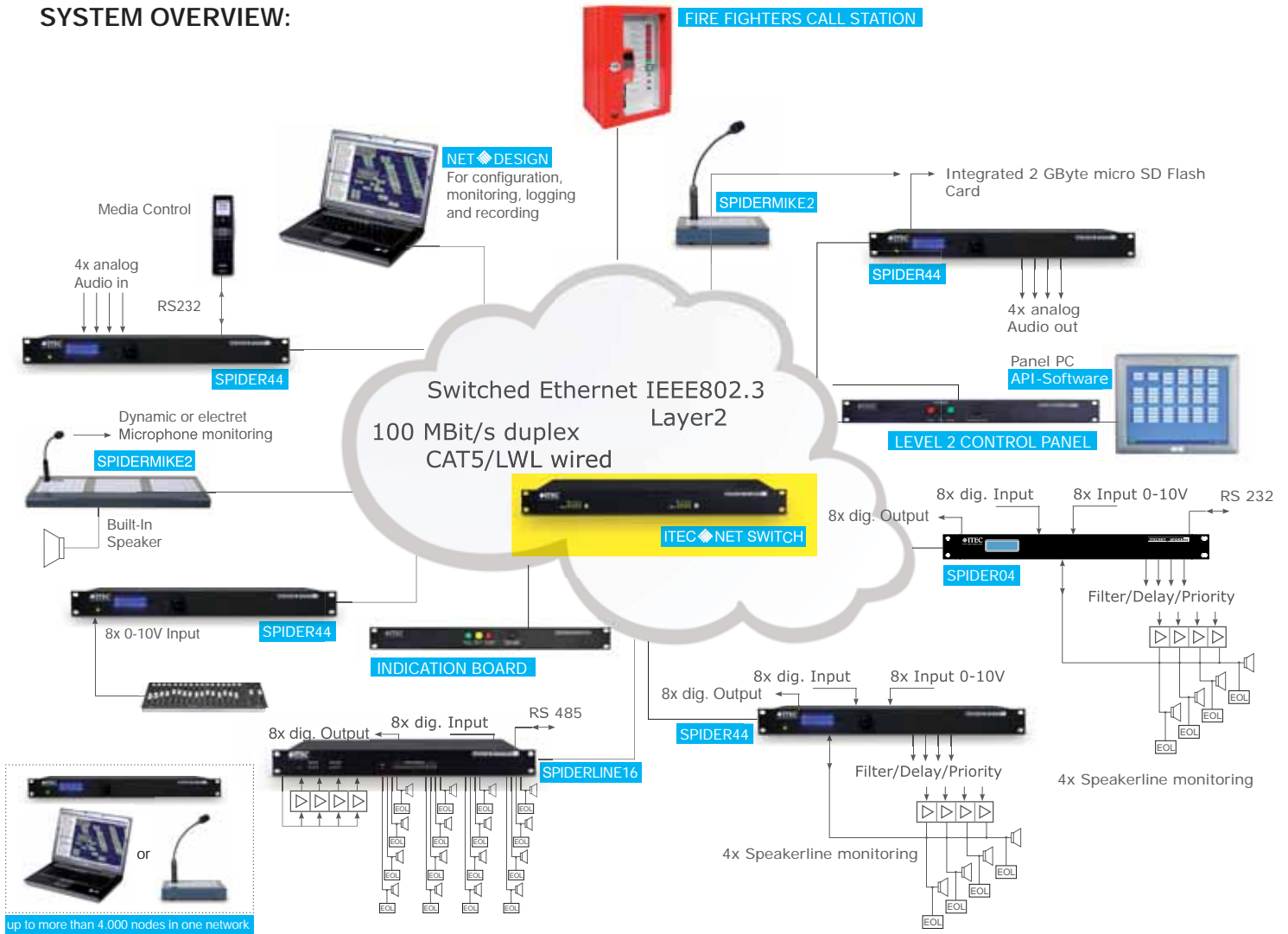# System component: SWITCH 4/1

- ITEC-NET is an audio network which is based on the IEE-802.3 Ethernet standards. Therefore, you can use existing network structures as well as all commercial components, such as network switches.
- The ITEC-NET Switch4/1 ensures that the entire network can be built using components providing equal reliability, longevity and robustness. The availability of structurally identical components and spare parts must be ensured for many years, which applies to network switches just as to all other ITEC-NET components. This enables us to always meet the requirements for EN 54-16 certification.
- 24VDC power for supply using EN54-4-certified energy supply equipment.
- System certified according to EN 54-16: EC conformity certificate no. 1293-CDR-0403

ITEC◆NET

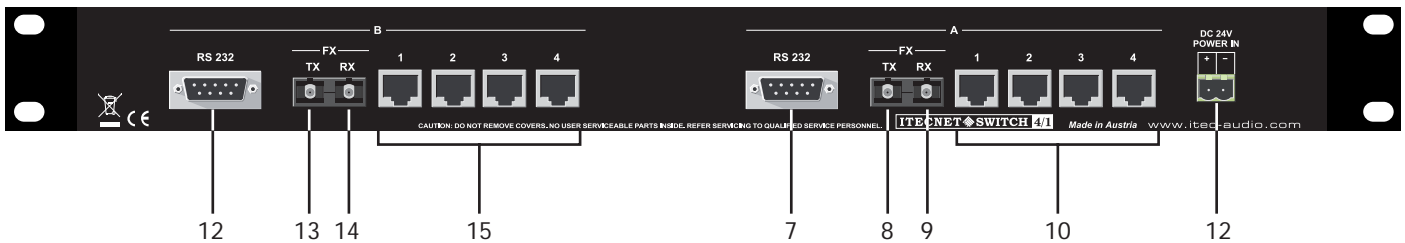## SYSTEM OVERVIEW:

FIRE FIGHTERS CALL STATION

NET◆DESIGN
For configuration, monitoring, logging and recording

Media Control

SPIDERMIKE2

Integrated 2 GByte micro SD Flash Card

4x analog Audio in

RS232

SPIDER44

4x analog Audio out

SPIDER44

Panel PC
API-Software

LEVEL 2 CONTROL PANEL

Dynamic or electret Microphone monitoring

SPIDERMIKE2

Switched Ethernet IEEE802.3 Layer2

100 MBit/s duplex CAT5/LWL wired

Built-In Speaker

8x dig. Input   8x Input 0-10V   RS 232

8x dig. Output

ITEC◆NET SWITCH

SPIDER04

8x 0-10V Input

SPIDER44

Filter/Delay/Priority

INDICATION BOARD

EOL
EOL
EOL
EOL

8x dig. Input   8x Input 0-10V

8x dig. Output

SPIDER44

4x Speakerline monitoring

Filter/Delay/Priority

8x dig. Output   8x dig. Input   RS 485

SPIDERLINE16

4x Speakerline monitoring

EOL
EOL
EOL
EOL
EOL
EOL
EOL
EOL
EOL
EOL
EOL
EOL

EOL
EOL
EOL
EOL

or

up to more than 4.000 nodes in one network

DISPLAY ELEMENTS ON THE FRONT-PANEL

1 Power Indicator Block A
2 LEDs for fiber-optic port A
3 LEDs for ports 1-4 A
4 as item 1, but for Block B
5 as item 2, but for Block B
6 as item 3, but for Block B

The LEDs for the fiber optic port and the copper ports 1-4 each have the following functions:
The lower LED indicates via a permanent light a valid full-duplex connection to another unit.
The top LED flashes to indicate an established 100 MBit connection to another unit.

CONNECTORS ON THE REAR PANEL

7   RS-232 interface Block A
8   Fiber port Block A, TX (transmit)
9   Fiber port block A, RX (receive)
10 RJ45 connectors for copper ports 1-4 A
11 24V DC screw terminal
12 as item 7, but for Block B
13 as item 8, but for Block B
14 as item 9, but for Block B
15 as item 10, but for Block B

SWITCH 4/1 - SPECIFICATIONS

GENERAL	
POWER SUPPLY	external switching power supply or 24 V DC (18 V <V> 32 V)
Current consumption @ 24 V	160 mA in idle mode, +10 mA per active port 260 mA at full load
DIMENSIONS	482 x 44 x 125 mm (W x H x D), 19" / 1 rack unit
WEIGHT	2,4 kg
NETWORK	
STANDARD	Compliant with IEEE 802, 100Base-TX, 100Base-FX standard Compliant with IEEE 802.3 10Base (not relevant for ITECNET)
PORTS	
COOPER	2 x 4 ports on RJ45 connector
Fiber optic	2 x fiber optic ports on SC connector, Wavelengh: 1310 nm, Cable: MultiMode Fiber
SERIAL INTERFACE	
RS 232	for configuration (in preparation)

No responsibility is taken for the correctness of this information - Specifications subject to change