

System component: SPIDERMIKE2



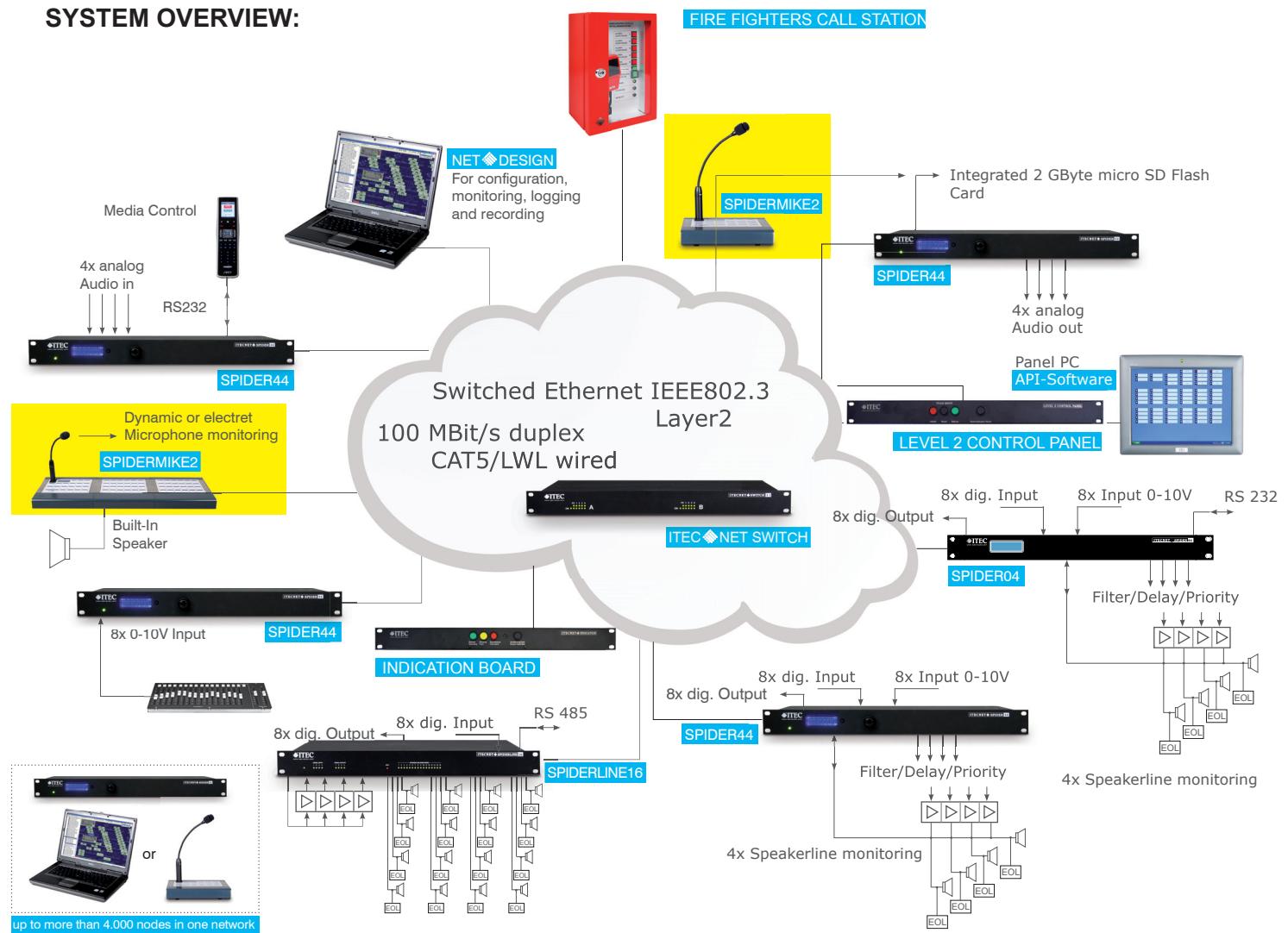
- Alarm and business call station
- Full-fledged ITEC-NET system component, network device
- Up to 4000 devices can work simultaneously together in a network
- Ethernet-based multi-channel PA system for alarming, evacuation, music and broadcasting
- Simultaneous transmission of up to 64 digital audio channels in studio quality (48 kHz / 24 bit)
- Real-time configuration with ITEC-NET - NET-DESIGN: Allows system configuration changes during normal operation of the system.
- Real-time audio transmission: Constant latency of 4.6 ms analog-in/analog-out
- Gooseneck microphone, dynamic or electret condenser capsule
- Microphone and line monitoring
- redundant line connection for high-security connections
- Integrated 2 GB memory card for alarm texts and music files. Recording Capacity 256 files, total time about 3 hours!
- Integrated real-time recorder for delayed announcements
- ITEC-NET application interface (TCP / IP) for connecting to security management systems
- 24VDC power for supply using EN54-4-certified energy supply equipment.
- System certified according to EN 54-16: EC conformity certificate no. 1293-CPR-0403



SPIDERMIKE2 AND KEYBOARD-EXTENSION

The call station, remote control and monitoring system - all in one. ITEC Spidermike2 is equipped with the same characteristics as the Spider44, however the functions are distributed in a different way. The communication terminal offers 19 soft keys (that can be labeled with insertion stripes individually), a double spaced message monitor for the display of help and error messages, a XLR connection for microphones (dynamic or electret), a built-in speaker for microphone monitoring, intercom, respectively alerting integrated 2 GByte micro SD Flash Card. Rear panel connectors: 2 x RJ45 network port, Power supply: 24 VDC. Optional Keyboard Extensions à 24 keys. Expandable to 115 keys.

SYSTEM OVERVIEW:



INPUTS AND OUTPUTS

SpiderMike2 base station

Ethernet-based network with 100 Mbit / s duplex (CAT5 cable)
 2 analog microphones / line inputs
 Integrated speaker
 1 additional analog audio output
 2-line text display for status and error messages
 19 free configurable soft keys
 2 digital outputs
 6 analog measurement inputs
 Integrated 2 GByte micro SD Flash Card
 Power supply: 24 VDC

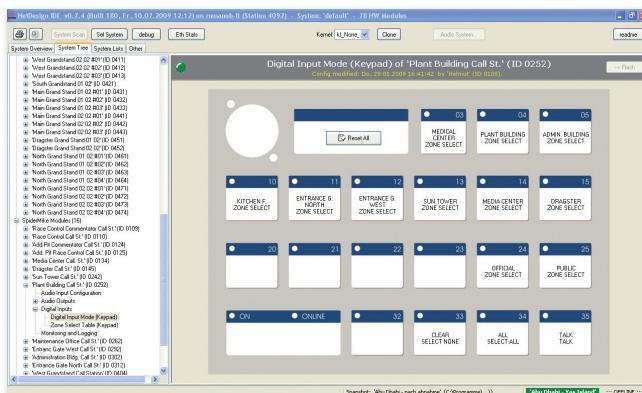
Audio Features:

16/24 or 32-bit Digital Audio
 Sample rate: 48 or 96 kHz
 Adjustable latency: 0.6 / 1.3 / 2.6 ms
 Dynamic range: 103 dB
 Total harmonic distortion (THD) <0.005 %
 Frequency response: 20 Hz - 20 kHz (± 0.5 dB)

NET-DESIGN CONFIGURATION, MAINTENANCE, CONTROL, AND INTERFACE SOFTWARE

ITEC NET-DESIGN is a Windows-based application for configuring and monitoring the entire ITEC-NET network. Included is a TCP/IP interface (ITEC-NET API) allowing a direct link to other control systems, such as media control or security management systems. In addition NET-DESIGN offers the possibility to update the DSP- and control software from any point of the network. The huge number of monitoring and logging capabilities ensures a safe operation within this large audio and data distribution system.

Example:



System Tree Keypad Config Table

Different functions can be assigned to each soft key, e.g.:
 Zone selection
 Talk key
 All Zones
 Chime
 Delete
 Alarm texts
 + / -, up / down, etc.

SPIDERMIKE 2 - SPECIFICATIONS



GENERAL

EXTERNAL POWER SUPPLY	switching power supply or 24 V DC (18 V < V > 32 V)
Current	260 mA, measured without applied load on the 10 V DC voltage (+ 30 mA per module)
DIMENSIONS	220 x 55 x 220 mm (W x H x D), W + 220 mm of each module
WEIGHT	2,2 kg (+ 1,9 kg each module)

AUDIO

AUDIO FREQUENCY RESPONSE	40 Hz-20 kHz/-1 dB
HARMONIC DISTORTION	<0,005 %
GENERAL DYNAMICS	103 dB
BALANCED INPUTS	max. free selectable gain -20 dB to +60 dB
Phantom power	+12 V
Input impedance	6,6 kOhm
BALANCED OUTPUTS	OUT1: speaker 1 W; OUT2: balanced; max. output level +15 dB, output impedance 300 Ohm

SOUND PROCESSING

PER INPUT	2-band fully parametric equalizer ± 15 dB, Q=0,1-70 1 low/high pass 1st order
PER OUTPUT	4-band fully parametric equalizer ± 15 dB, delay: 0.023 ms-24.5 s bandpassfilter: 1st – 4th order
	Compressor/limiter
Filter quality	selectable from 0.1 to 70

SERIAL INTERFACES

RS 232	9600, 19200, 57600, 115.200 baud
DIGITAL INPUTS	4 schmitt-trigger inputs on plug in-terminal strip
INPUT VOLTAGE	Low < 1,6 V / High > 8 V
MAX. ALLOWABLE VOLTAGE	18 V
INPUT CURRENT (@10 V)	about 0,2 mA
DIGITAL OUTPUTS	6 open-collector outputs on plug in-terminal strip
MAXIMUM VOLTAGE	36 V
MAXIMUM OUTPUT CURRENT	200 mA per output / total 500 mA (sum of all outputs switched)
ANALOG INPUTS	6 analog inputs on plug in-terminal strip
RANGE	0-10 V DC
RESOLUTION	8 Bit
INPUT CURRENT (@10 V)	ca. 0,2 mA

MICRO SD-CARD SLOT

STORAGE CAPACITY	for Micro SD cards up to 2 GB
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No responsibility is taken for the correctness of this information - Specifications subject to change