

System component: **SPIDERMIKE2/03**

- Alarm and business call station
- Full-fledged ITECNET 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 ITECNET - NETDESIGN:
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
- Optional 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
- ITECNET application interface (TCP / IP) for connecting to security management systems
- 24 VDC power for supply using EN 54-4-certified energy supply equipment.
- System certified according to EN 54-16: EC conformity certificate no. 1293-CPR-0700



Keyboard-Extension/02



KABA Key-Switch Extension

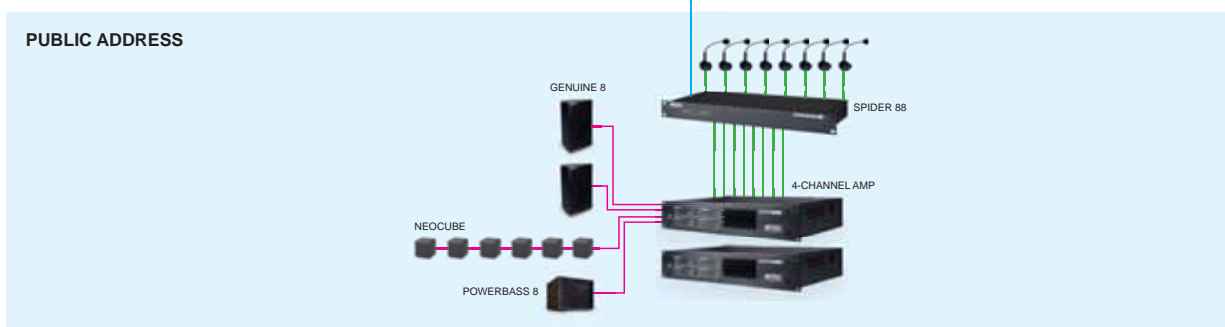
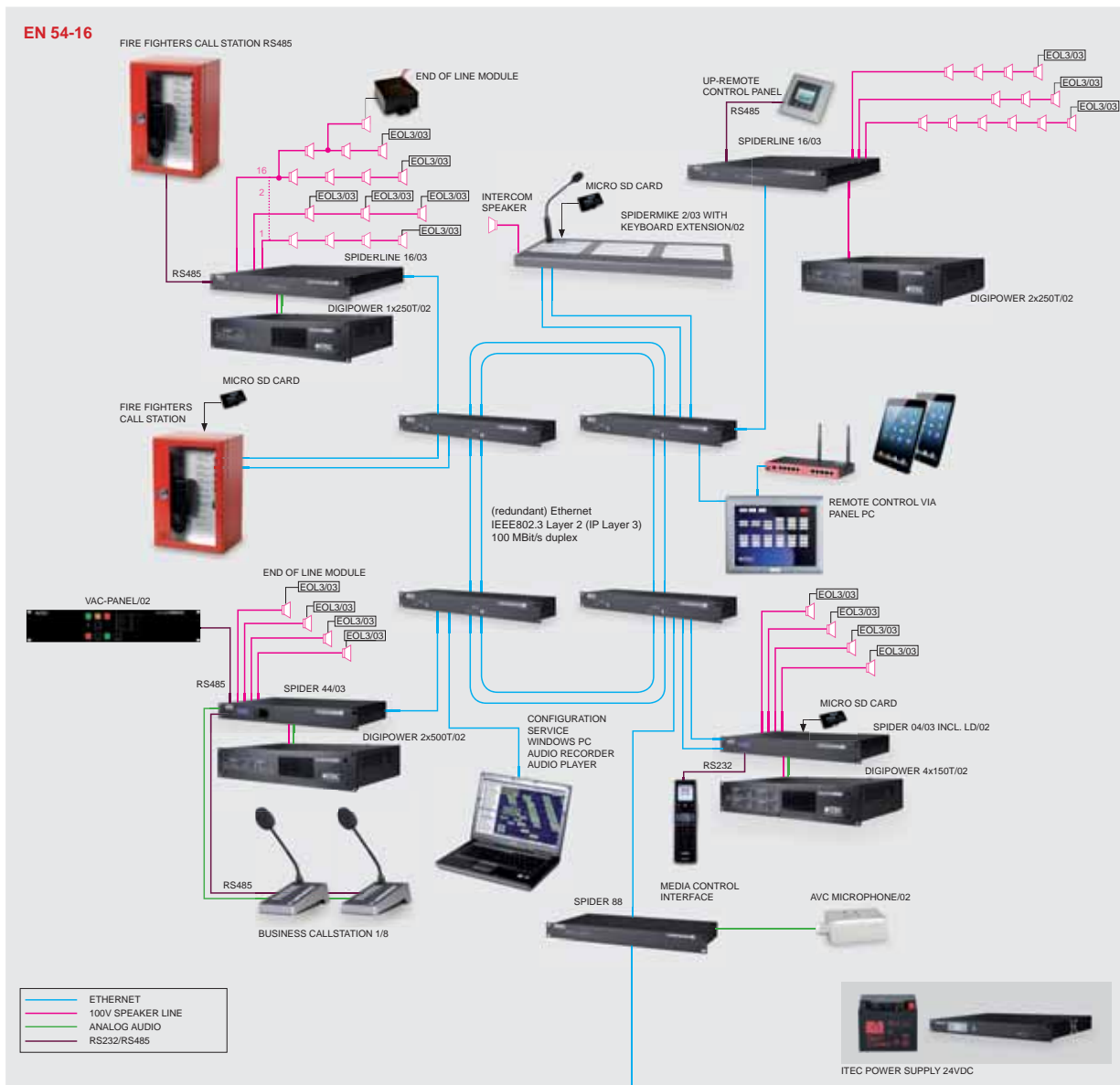


NORDIC Key-Switch Extension

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 optional 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. Further key extensions: KABA key switch, NORDIC key switch.

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

4 digital outputs

6 analog measurement inputs

Optional 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: 1.3 / 2.6 ms

Dynamic range: 103 dB

Total harmonic distortion (THD) <0.005 %

Frequency response: 20 Hz - 20 kHz (± 0.5 dB)

NETDESIGN CONFIGURATION, MAINTENANCE, CONTROL, AND INTERFACE SOFTWARE

ITEC NETDESIGN is a Windows-based application for configuring and monitoring the entire ITECNET network. Included is a TCP/IP interface (ITECNET API) allowing a direct link to other control systems, such as media control or security management systems. In addition NETDESIGN 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.

SPIDERMIKE2/03 - SPECIFICATIONS



General	
External power supply	switching power supply or 24 VDC (18 V < V < 32 V)
Current	260 mA, measured without applied load on the 10 VDC voltage (+ 30 mA per module)
Operating temperature	-5° C - +40° C
Dimensions	220 mm x 55 mm x 220 mm (W x H x D), W + 220 mm of each module
Weight	2.2 kg (+ 1.9 kg for extension module, + 1 kg for key-switch extension)
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	
RS232	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	4 open-collector outputs on plug in-terminal strip
Max. voltage	36 V
Max. 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 VDC
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
Network	
	Ethernet 100 Base-TX, IEEE 802.3u

All informations without guarantee. Subject to technical changes.