PLUGIT™ SystemX

Theft of a computer system is not difficult and can be accomplished easily enough even with proper security measures in place. EHAG introduces its range of *PLUGIT™ SystemX* products, designed to monitor and alarm unauthorized movement of networked computers, printers and other peripherals. From in-house security monitoring to IT carrier independent SMS, *PLUGIT™ SystemX* informs a system or a person about an unauthorized tamper in real time.
What makes the system highly competitive is the short reaction time, the IT independent communication channel and the lithium battery powered *PLUGIT™ SystemX*.

System
The *PLUGIT™SystemX* includes one FSK-C1 up to FSK-C6 controller and one to many Nodes FSK-P45**.**

Controller
FSK-CX is an UHF based controller working at either 868 MHz or 915 MHz. FSK-C1 communicates via RS232, FSK-C2 via UBS2, FSK-C3 via Ethernet, FSK-C4 via Bluetooth, FSK-C5 via WLAN and FSK-C5 via GSM. The unique communication interface of the FSK-CX makes an integration into existing IT and communication environments easy and convenient.

Node
FSK-P45 is an Ethernet based product plugged into the corporate network between the hub and the device. For the duration of its life, FSK-P45 transmits an UHF Radio Frequency (RF) signal at a pre-set time interval to the controller. As long as the controller gets the periodical signal no device has been unplugged from the system.

If an unauthorized tamper or cable cut happens, the node reacts in milliseconds and sends its identity and an alarm signal via RF to the *controller*. Even a complete system power failure or IT network breakdown does not affect the monitoring and reporting of *PLUGIT™ SystemX.*

Features	**Benefits**
• 2000 tag simultaneous identification	Provides high-speed data collection to facilitate warehousing and inventory-based applications
• 100 tag/sec. identification rate	Provides reliable identification of fast moving objects
• UHF operating frequencies	Operates interchangeable on standard European ISM band frequencies
• Multi-tag compatibility	Provides communication for the whole smTAG UHF based tag families
• A unique communication interface	This unique feature of FSK-C8 makes it easy to build a controller network and to integrate it into almost any existing IT and communication infrastructure
• Internal Buzzer	The internal buzzer allows early, security network independent onsite alarming
• Real-Time operating system (RTOS)	Meets industrial requirements for reliability and robustness
• Security	High security system with use of SHA-256 algorithm & frequency

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PLUGIT™ SystemX

EHAG

EHAG is a global supplier of innovative RFID Technology in the UHF band.

With its unique system approach smtag provides an easy to implement set of products which reduces the time for Implementation dramatically.

System integrators of industrial, medical and corporate solutions get high quality products which offers a max. return on investment.

FSK-P45 product together with FSK-CX product line increase efficiency and quality in monitoring assets to a very high level.

To learn more about how the EHAG UHF product family can increase profitability for business, contact one of smtag's business partner

Partner Network

Partner Company Details

v.1.3 (03/05)

Specification FSK-P45

Compatibility	FSK-T, FSK-S and FSK-P family
Performance	
Transmission range	Up to 100m
Read rate – ID only	Up to 2000 @ 9.6 KBaud
Read rate – 128 it data	Up to 50'000 @ 256 KBaud
Multiple tag handling	Up to 2000 tags in the read zone
Max. response time	6.5ms (from standby mode)
Communication	
Frequency	868 MHz (EC) or 915MHz (NA) ISM Band
Field strength	-21 to 0 dBm
Typical Impedance	-100dBm
Modulation	FSK
Bandwith, digitally adjustable	Up to 400 KHz
Stability/Filter	8 or 16 bit CRC
Data rate (download)	2.4 to 256KBits/s
Number of antennas	1
Maximum transmission power	0 dBm
Sensitivity, digitally adjustable	-61 to -103 dBm/low sens.,
Certification	EN 300 220 (EC); FCC part 15 (US)
Microcontroller	
Flash Memory	1792 Bytes
Data RAM	64 Bytes
EEPROM Data	128 Bytes
Electrical	
Input power	Exchengable batteries 2 x 1.5V AAA
Power	2.2 –5.4Volt
Power Saving (standby current)	11 µA
Battery Lifetime	Typically 3 years (with Battery low warning up to 6 month in advance)
Power consumption	14 mA max
Environmental	
Operating temperature	- 40º C to + 85º C
Storage temperature	- 40º C to + 85º C
Humidity	5% to 90% (non condensing)
Physical	
Dimensions	70 x 45 x 35 mm
Weight	60 Gramm
Colour	white
Type of material	ABS