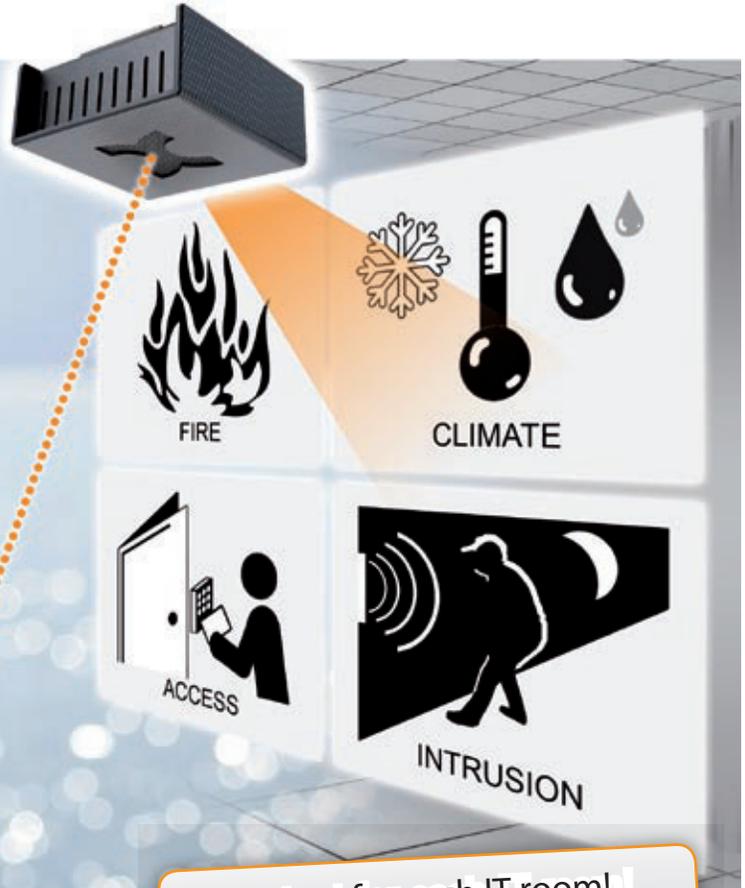


The superior IT alarm system
One system that detects all **critical**

threats in the room and rack



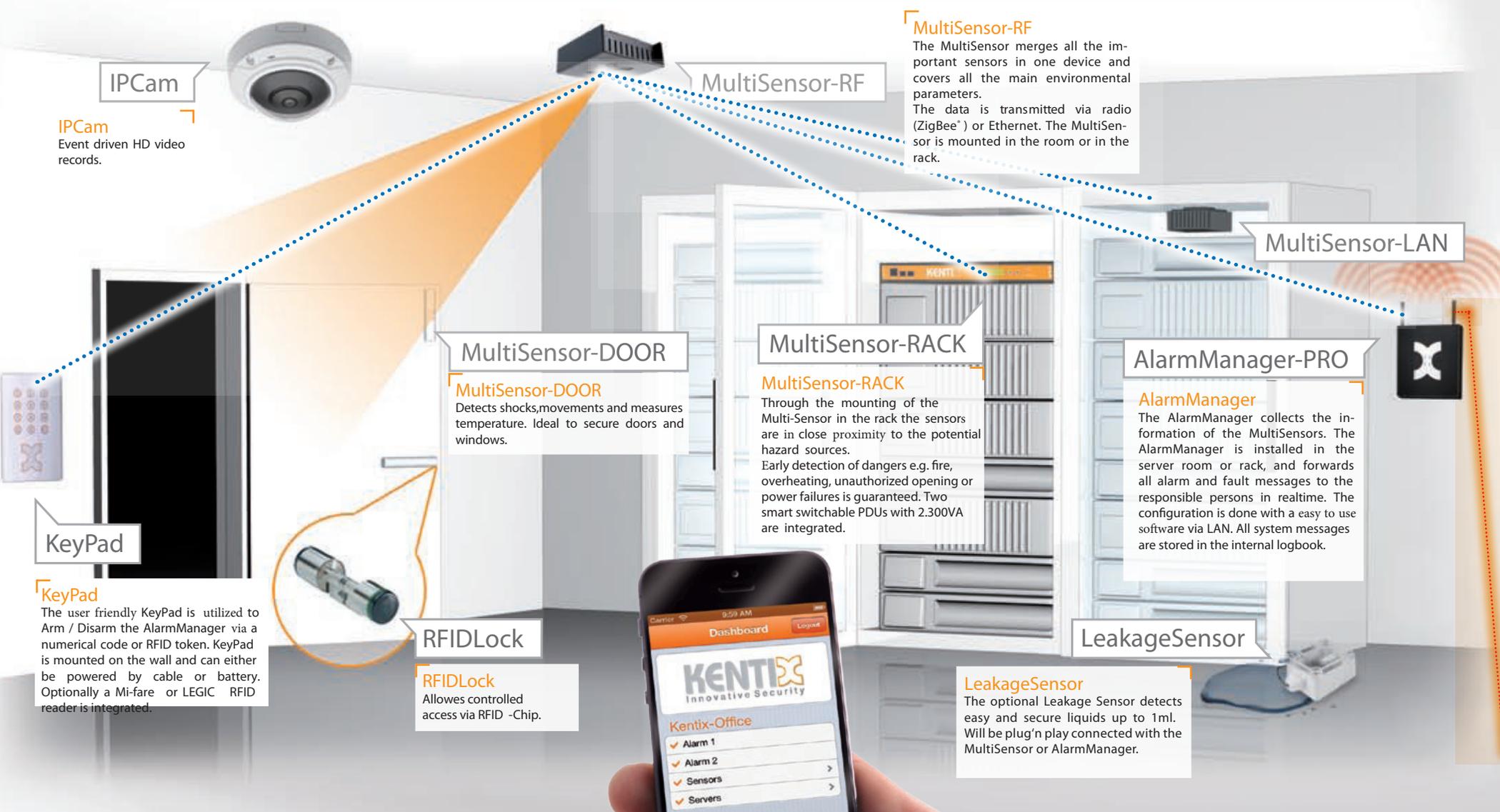
Important for each IT room!
+ Ensuring IT availability - risk protection
+ World wide information by GSM
+ Easy to install (wireless communication)



Monitoring of all risk areas in IT- and server-rooms
with the innovative Kentix MultiSensor system.

- Brilliantly simple and secure with the MultiSensor technology
- Early detection of **critical** threats
- Fast installation – easy setup
- Meets the requirements for IT baseline protection and ISO2700x
- Integration into existing monitoring solutions

One device that detects all threats in the server-room and rack – The Kentix MultiSensor



IPCam

IPCam
Event driven HD video records.

MultiSensor-RF

MultiSensor-RF

The MultiSensor merges all the important sensors in one device and covers all the main environmental parameters. The data is transmitted via radio (ZigBee) or Ethernet. The MultiSensor is mounted in the room or in the rack.

MultiSensor-LAN

MultiSensor-DOOR

MultiSensor-DOOR

Detects shocks, movements and measures temperature. Ideal to secure doors and windows.

MultiSensor-RACK

MultiSensor-RACK

Through the mounting of the Multi-Sensor in the rack the sensors are in close proximity to the potential hazard sources. Early detection of dangers e.g. fire, overheating, unauthorized opening or power failures is guaranteed. Two smart switchable PDUs with 2.300VA are integrated.

AlarmManager-PRO

AlarmManager

The AlarmManager collects the information of the MultiSensors. The AlarmManager is installed in the server room or rack, and forwards all alarm and fault messages to the responsible persons in realtime. The configuration is done with a easy to use software via LAN. All system messages are stored in the internal logbook.

KeyPad

KeyPad

The user friendly KeyPad is utilized to Arm / Disarm the AlarmManager via a numerical code or RFID token. KeyPad is mounted on the wall and can either be powered by cable or battery. Optionally a Mi-fare or LEGIC RFID reader is integrated.

RFIDLock

RFIDLock

Allows controlled access via RFID -Chip.

LeakageSensor

LeakageSensor

The optional Leakage Sensor detects easy and secure liquids up to 1ml. Will be plug'n play connected with the MultiSensor or AlarmManager.





Temperature



Motion Detection



Humidity



Carbon Monoxide



Dew point



Power Supply

Protecting your IT against the most common risks:

- Enviromental disruption
- Human errors
- Physical theft
- Sabotage

Benefits:

- Threat detection - rapid response times, low costs
- Lower staff costs due to automatic monitoring
- Reduce staffing requirements - Low reduced liability and risker operating costs through remote monitoring
- Low investment costs - easy and hassle free installation
- ROI within 1 year - **in prevention and security assurance**

Effective protection of the physical risks in IT- and server-rooms.

The Kentix MultiSensor merges all the important basic physical sensors in one unit. Combined with Zig Bee wireless technology, the result is one of the most effective systems for IT monitoring. The MultiSensor (KMS) is also available with direct LAN connection as an alternative to the wireless solution, and can be directly connected to a network with the Kentix AlarmManager (KAM).

The installation and operation is easy and can be made utilizing conventional patch cables without clamping.

Easy installation and low system cost with an innovative „All In One“ solution.

All MultiSensor Data is collected and evaluated in the Alarm Manager. The Alarm Manager also performs monitoring of the sensor network, and cycles through error messages and system conditions. An integrated GSM modem transmits alarm messages.

Responsible staff and managers are informed in real time on any error conditions. Messages are sent as SMS, E-Mail or SNMP traps. The AlarmManager can be controlled remotely by any mobile phone with simple SMS commands, to get status updates; or to arm and disarm the system.

commands are protected by password and phone number.

One device that detects all threats in the server-room and rack – The Kentix MultiSensor **KENTIX**



Temperature

- Monitoring the temperature
- Control of cooling or heating



Humidity

- Monitoring the humidity
- Monitoring air conditioning



Dew Point

- Monitoring the dew point
- Avoid condensation



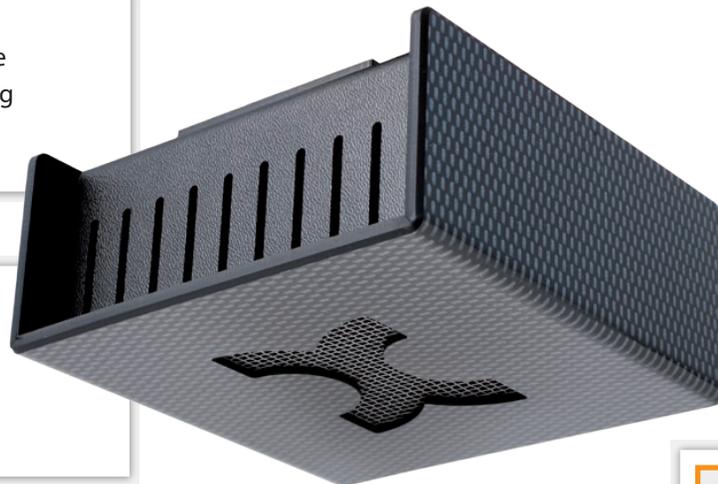
Power Supply

- Monitoring the external power supply
- Bridging and reporting of power failure



Carbon Monoxide (CO)

- Fire detection via high-sensitivity CO sensor
- Early detection of fires



External signal inputs

- Allows connection of external dry contacts
- Door contacts, alarm messages from external systems



External Alarm I/O outputs

- Control of external devices such as alarm sirens, flashing lights
- Remote control of external devices



Acoustic signalization

- Integrated Buzzer for acoustic alarm



Infrared motion detector

- Fast motion detection
- Reliable detection of unauthorized people



ZigBee® wireless transmission

- Encrypt transmission of sensor data to the AlarmManager
- Long range and security through mesh networking

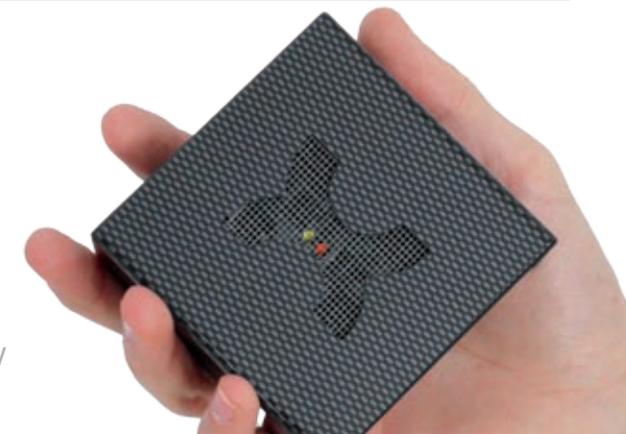


Sabotage monitoring

- Continuous monitoring for tampering and sabotage of MultiSensor and AlarmManager



360° physical IT-security



System components



Device	AlarmManager-PRO	AlarmManager-BASIC	MultiSensor-LAN	MultiSensor-LAN-RF
Type	KAM-PRO	KAM-BASIC	KMS-LAN	KMS-LAN-RF
Funktion	GSM alarm- and control center for MultiSensor, KeyPad, Accessories	GSM alarm- and control center for MultiSensor, KeyPad, Accessories	Multifunctional-Sensor with Ethernet	Multifunctional-Sensor with Ethernet and ZigBee radio as repeater
Room / facility size	up to 1000m ²	up to 200m ²	20m ² , IT-Rack	200m ² , IT-Rack
Number of connectable multi sensors	30	10	-	10
Configuration	PC-Software, Web (Windows, Mac, Linux)	PC-Software, Web (Windows, Mac, Linux)	Web-Server AlarmManager	Web-Server AlarmManager
Build in web-server	✓	✓	✓	✓
Server monitoring (live-check)	✓	✗	✗	✗
Stand-alone without AlarmManager	✗	✗	✓	✓
IP-video camera trigger	✓	✗	✓	✓
SMS alarming (alarm, remote-control)	✓	✓	✗	✗
E-Mail alarming	✓	✓	✓	✓
VDS 2465-S2 alarming (TCP)	✓	✗	✗	✗
Smartphone App	✓	✓	✓	✓
Syslog (RFC5424)	✓	✗	✓	✓
Datalogger with long-term storage	✓	✓	✓	✓
SNMP Trap (V2/V3)	✓	✓	✓	✓
SNMP MIB (V2/V3)	✓	✗	✓	✓
Alarm output with relay	2	2	✗	✗
Alarm output with open-collector	✗	✗	2	2
External alarm input (for dry contact)	2	2	2	2
Connection for leakage sensor	✓	✓	✓	✓
PoE (Power over Ethernet)	✗	✗	✓	✓
External power supply	✓	✓	✓	✓
Integrated UPS	✓	✓	✗	✗
LAN connection (10/100Mbit, IP-V4/V6)	✓	✓	✓	✓
ZigBee (Mesh Radio)	✓	✓	✗	✓
Kentix system socket	✓	✓	✓	✓
Sabotage control	✓	✓	✓	✓
Sensor - Temperature (0 bis 99°C)	-	-	✓	✓
Sensor - Rel. Humidity (0-100%)	-	-	✓	✓
Sensor - Dew point (°C)	-	-	✓	✓
Sensor - Carbon monoxide (CO >20ppm)	-	-	✓	✓
Sensor - Motion (PIR 360°, 12m)	-	-	✓	✓
Sensor - Vibration (vibration)	✓	✓	✓	✓
Voltage control	✓	✓	✗	✗
Power distribution unit switchable (PDU)	✗	✗	✗	✗
Power measurement (Consumpt., Analyse)	✗	✗	✗	✗
RFID (Mifare, Legic, Hitac)	✗	✗	✗	✗
Size (L x W x H in mm)	130 x 90 x 45	130 x 90 x 45	90 x 90 x 45	90 x 90 x 45

MultiSensor-RF	MultiSensor-RACK	KeyPad	MultiSensor-DOOR	I/O-Module
KMS-RF	KMS-RACK	KKP	KMS-DOOR	KIO7052/53
Multifunctional-Sensor with ZigBee radio	Multifunctional-Sensor with Ethernet and intelligent power-unit	Keypad for access control with pin-code and RFID	Multifunctional-Sensor for movement and position	Extention module for external alarms
20m ² , IT-Rack	IT-Rack	Door	Door, Window, Rack, movable objects	-
-	-	-	-	-
AlarmManager	Web-Server AlarmManager	AlarmManager	AlarmManager	Web-Server AlarmManager
✗	✓	✗	✗	✓
✗	✗	✗	✗	✗
✗	✓	✗	✗	✗
✗	✓	✗	✗	✗
✗	✗	✗	✗	✗
✗	✓	✗	✗	✗
✗	✗	✗	✗	✗
✗	✓	✗	✗	✗
✗	✓	✗	✗	✗
✗	✓	✗	✗	✗
✓ (KAM-PRO)	✓	✗	✓ (KAM-PRO)	✓ (KAM-PRO)
✗	✗	✗	✗	✗
2	2	✗	✗	8 / 0
2	2	✗	✗	8 / 16
✓	✓	✗	✗	✓
✗	✗	✗	✗	✓
✓	✓	Battery (AAA)	Battery (Li)	✓
✓	✗	✗	✗	✗
✗	✓	✗	✗	✓
✓	✗	✓	✓	✗
✓	✓	✗	✗	✗
✓	✓	✗	✗	✗
✓	✓	✗	✗	✗
✓	✗	✗	Gyrosensor	✗
✓	✓	✗	✓	✗
✗	✗	✓	✓	✗
✗	✓	✗	✗	✗
✗	✓	✗	✗	✗
✗	✗	✓	✗	✗
90 x 90 x 45	19" Rack, 1HU	135 x 90 x 19	55 x 25 x 20	72 x 123 x 35

Choose your application:

Stand alone sensor, ideal for network monitoring



HTTP	ROOM
BUZZER	SNMP - E-MAIL
MONITORING	LAN PoE

- Rack- and Room monitoring
- Stand-Alone - Webserver
- Power-over-Ethernet
- E-Mail / SNMP Alarm

MultiSensor-LAN

Comprehensive IT rack monitoring with early detection




HTTP	RACK
BUZZER	SNMP - E-MAIL
MONITORING	LAN
ENERGY	PDU

- All-in-One rack monitoring
- E-Mail / SNMP Alarm
- Integrated 12 way PDU, switchable
- Energy monitoring with 2 x 2.300VA

MultiSensor-RACK

Physical IT compliance solution for rooms from 20-200sqm



ZigBee®	LAN
BUZZER	ROOM / RACK
GSM inside	SMS - E-MAIL
MONITORING	

- Rack- and Room monitoring
- Up to 10 MultiSensors with Radio
- SMS / E-Mail / SNMP
- Up to 10 user accounts

CompleteSet-BASIC

Physical IT compliance solution for rooms from 20-1.000sqm



ZigBee®	LAN
BUZZER	ROOM / RACK
GSM inside	SMS - E-MAIL
SERVER-MONITOR	MONITORING
SNMP	HTTP Request

- Rack- and Room monitoring distributed facilities
- Up to 30 MultiSensors
- SMS / E-Mail / SNMP
- Up to 20 user accounts

CompleteSet-PRO

Kentix is manufacturer of professional security solutions for the monitoring of IT and technical infrastructure rooms as well as office space. Kentix develops and manufactures its products exclusively in Germany with the highest quality standards. Authorities and enterprises from all sectors of the economy secures with the Kentix „MultiSensor Technology“ their IT systems against physical threats. The Kentix MultiSensor merges many different sensors in one functional unit and makes it very efficient com-

pared to the market. Innovative Security The use of wireless radio systems and modern web technology enables lowcost integration of systems. Kentix products avoid disruptions in the operating environment, secure systems against theft and sabotage, and report the impact of human error - and thus ensure optimal IT availability. Kentix increases IT availability significantly and is amortised within a short period of time.

Kentix US Distributor:

INTERMAS - modular assembly systems

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Innovative Security
 Made in Germany