KENTIX
Innovative Security

The Superior IT Alarm System
## One system that detects all important 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.

CLIMATE

FIRE

INTRUSION

ACCESS

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

360° physical IT-security

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

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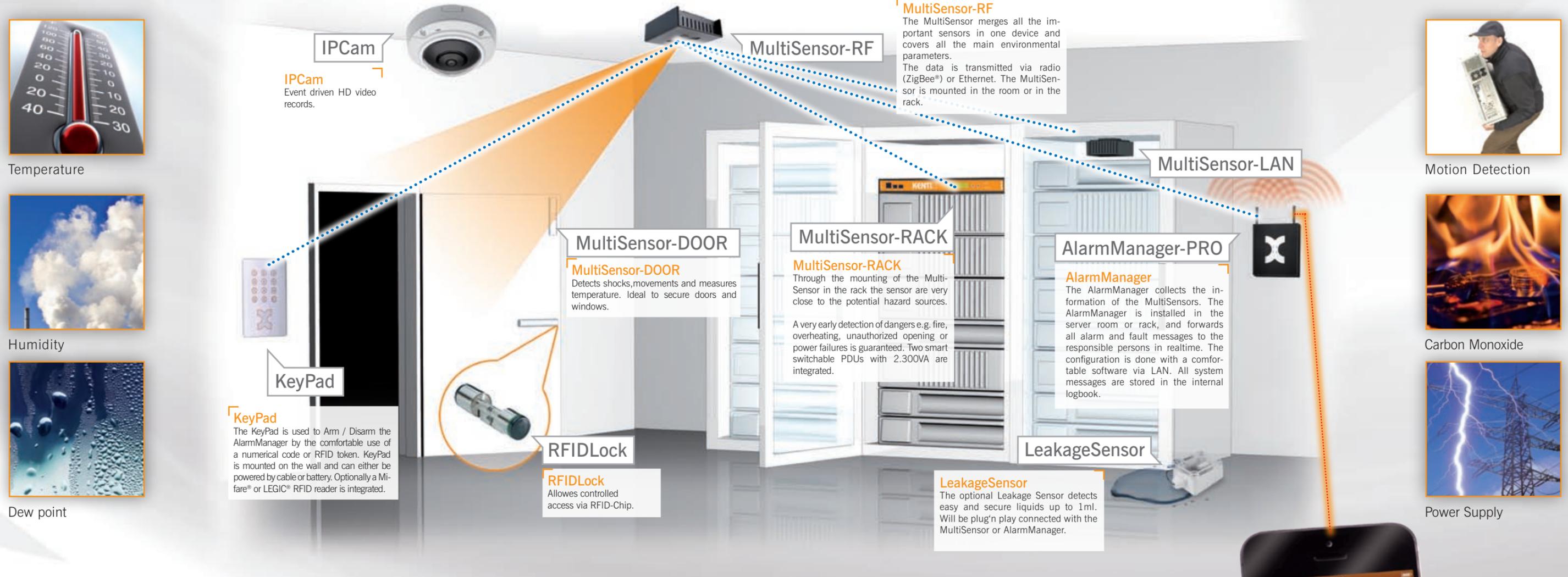
Temperature

Humidity

Dew point

IPCam

IPCam
Event driven HD video records.

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

Motion Detection

Carbon Monoxide

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 MultiSensor in the rack the sensor are very close to the potential hazard sources.

A very 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 comfortable software via LAN. All system messages are stored in the internal logbook.

KeyPad

KeyPad
The KeyPad is used to Arm / Disarm the AlarmManager by the comfortable use of a numerical code or RFID token. KeyPad is mounted on the wall and can either be powered by cable or battery. Optionally a Mifare® or LEGIC® RFID reader is integrated.

RFIDLock

RFIDLock
Allowes 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.

Power Supply

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

The Kentix MultiSensor merges all the important basic physical sensors in one unit. In combination with the wireless technology (ZigBee®) it results in one of the most effective systems for IT monitoring. The MultiSensor (KMS) is also available with an 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 quite easy and can be made with conventional patch cables without clamping.

Protecting your IT against the most common risks:
- Enviromental disruption
- Physical theft
- Human errors
- Sabotage

Benefits:

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

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

All data of the MultiSensors are collected and evaluated in the AlarmManager. The AlarmManager also has the task to monitor the sensor network cyclically and message error conditions.

A GSM modem for independent transmission of alarm messages is integrated. The responsible staff and persons will be informed in real time on any error conditions. Messages will be send as SMS, E-Mail or SNMP traps. The AlarmManager can be controlled remotely by any mobile phone with simple SMS commands to get state informations or set the system to armed or disarmed state. The commands are protected by password and phone number.

Available on the **App Store**

Remote control via **SMS**

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

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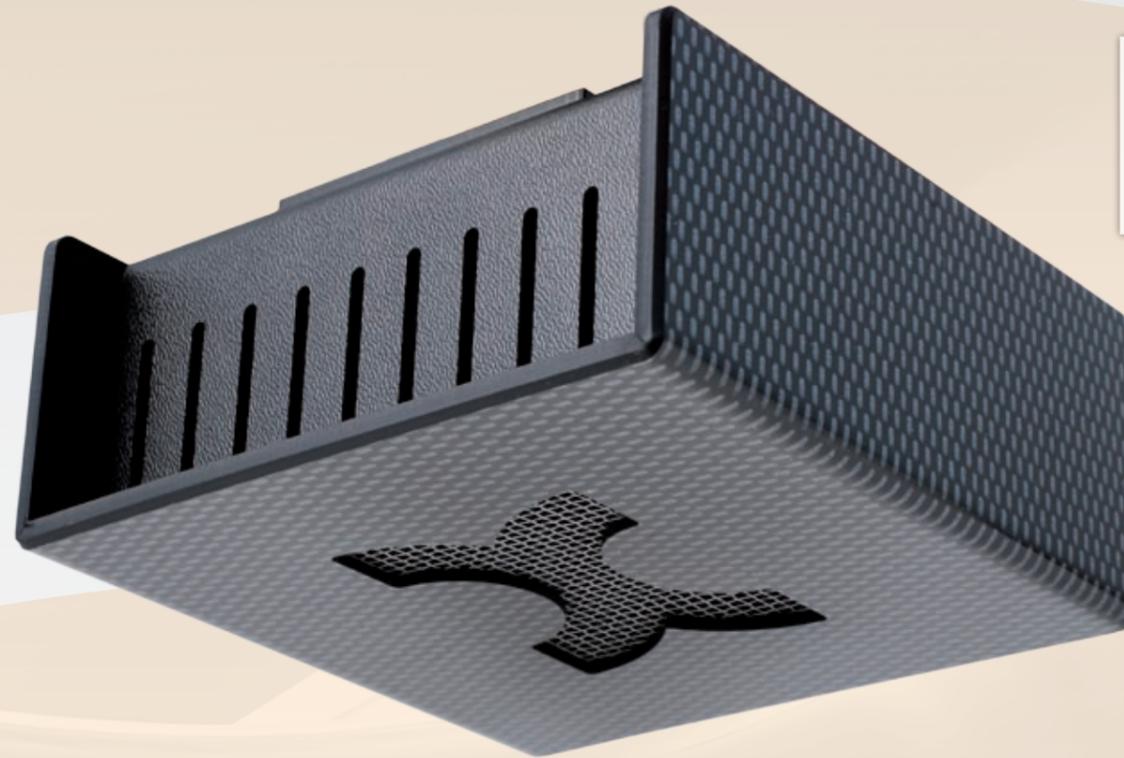
Temperature
- Monitoring the temperature
- Control of cooling or heating

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

External signal inputs
- Allows connection of external dry contacts
- Door contacts, alarm messages from external systems
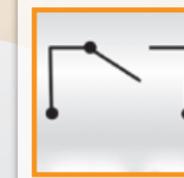
External Alarm I/O outputs
- Control of external devices such as alarm sirens, flashing lights
- Remote control of external devices
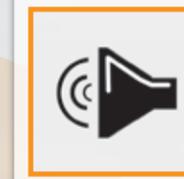
Acoustic signalization
- Integrated Buzzer for acoustic alarm

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

Carbon Monoxide (CO)
- Fire detection via high-sensitivity CO sensor
- Early detection of fires

Sabotage monitoring
- Continuous monitoring for tampering and sabotage of MultiSensor and AlarmManager

Meets IT GRUNDSCHUTZ

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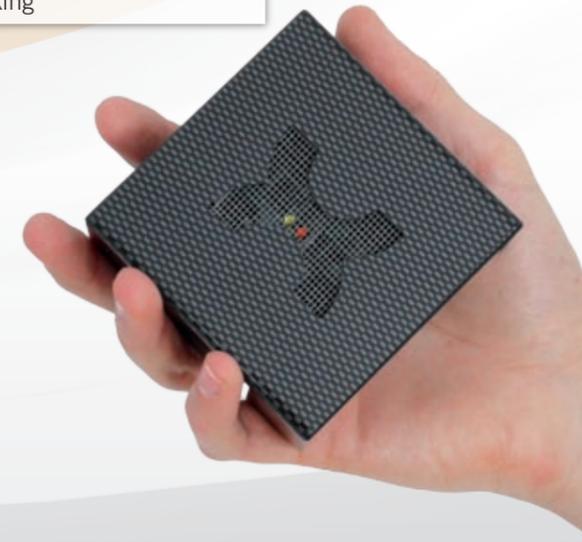
System components

Device	AlarmManager-PRO	AlarmManager-BASIC	MultiSensor-LAN	MultiSensor-LAN-RF	MultiSensor-RF	MultiSensor-RACK	KeyPad	MultiSensor-DOOR	I/O-Module
Type	KAM-PRO	KAM-BASIC	KMS-LAN	KMS-LAN-RF	KMS-RF	KMS-RACK	KKP	KMS-DOOR	KIO7052/53
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	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
Room / facility size	up to 600m²	up to 200m²	20m², IT-Rack	200m², IT-Rack	20m², IT-Rack	IT-Rack	Door	Door, Window, Rack, movable objects	-
Number of connectable sensors	➝➝	-	up to 30	up to 30	up to 30	up to 30	up to 30	up to 30	2
	-	➝➝	-	-	up to 10	-	up to 3	up to 10	-
Configuration	PC-Software, Web	PC-Software, Web	Web-Server	Web-Server	PC-Software	Web-Server	PC-Software, Web	PC-Software, Web	Web-Server
Build in web-server	✔	✗	✔	✔	✗	✔	✗	✗	✔
Server monitoring (service ping)	✔	✗	✗	✗	✗	✗	✗	✗	✗
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)	✔	✗	✔	✔	✔ (KAM-PRO)	✔	✗	✔ (KAM-PRO)	✔ (KAM-PRO)
Alarm output with relay	2	2	✗	✗	✗	✗	✗	✗	✗
Alarm output with open-collector	✗	✗	2	2	2	2	✗	✗	8 / 0
External alarm input (for dry contact)	2	2	2	2	2	2	✗	✗	8 / 16
Connection for leakage sensor	✔	✔	✔	✔	✔	✔	✗	✗	✔
PoE (Power over Ethernet)	✗	✗	✔	✔	✗	✗	✗	✗	✔
External power supply	✔	✔	✔	✔	✔	✔	Battery (Li)	Battery (Li)	✔
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)	-	-	✔	✔	✔	✗	✗	Gyrosensor	✗
Sensor - Vibration (acceleration)	✔	✔	✔	✔	✔	✗	✔	✔	✗
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	90 x 90 x 45	19" Rack, 1HU	135 x 90 x 19	55 x 25 x 20	72 x 123 x 35

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Select a system:

MultiSensor-LAN

HTTP · ROOM · BUZZER · SNMP - E-MAIL · MONITORING · LAN PoE

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

MultiSensor-RACK

KENTIX

HTTP · RACK · BUZZER · SNMP - E-MAIL · MONITORING · LAN · 00588,4 ENERGY · PDU

· Stand-Alone - Webserver
· E-Mail / SNMP Alarm
· Integrated 12 way PDU, switchable
· Energy monitoring with 2 x 2.300VA

CompleteSet-BASIC

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

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

CompleteSet-PRO

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

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

About Kentix

Kentix based in Idar-Oberstein, manufacturer of professional security solutions for the monitoring of servers, technical equipment rooms as well as the infrastructure and 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 secure their IT systems against physical threats. The merger of many different sensors in one functional unit monitoring systems are very efficient compared to the market. The use of wireless radio systems and modern web technology enables low-cost 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.