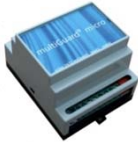# Profort A/S

Wired alarm

multiGuard Light
4 output + 10 inputs

multiGuard micro
1 output + 2 inputs + 1 Infrared

multiGuard remote
1 output + 2 inputs + 2 Infrared

Wireless alarm

multiGuard Industri
5 outputs + 8 inputs +
60 wireless + Display

Piccolo
PC + 32 wired receivers +
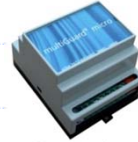6400 wireless sensors

Profort A/S

- Danish ingeneering company
- 12 years on market
- Danish developed and produced

Products:

- **multiGuard:** GSM- alarm, control og logning
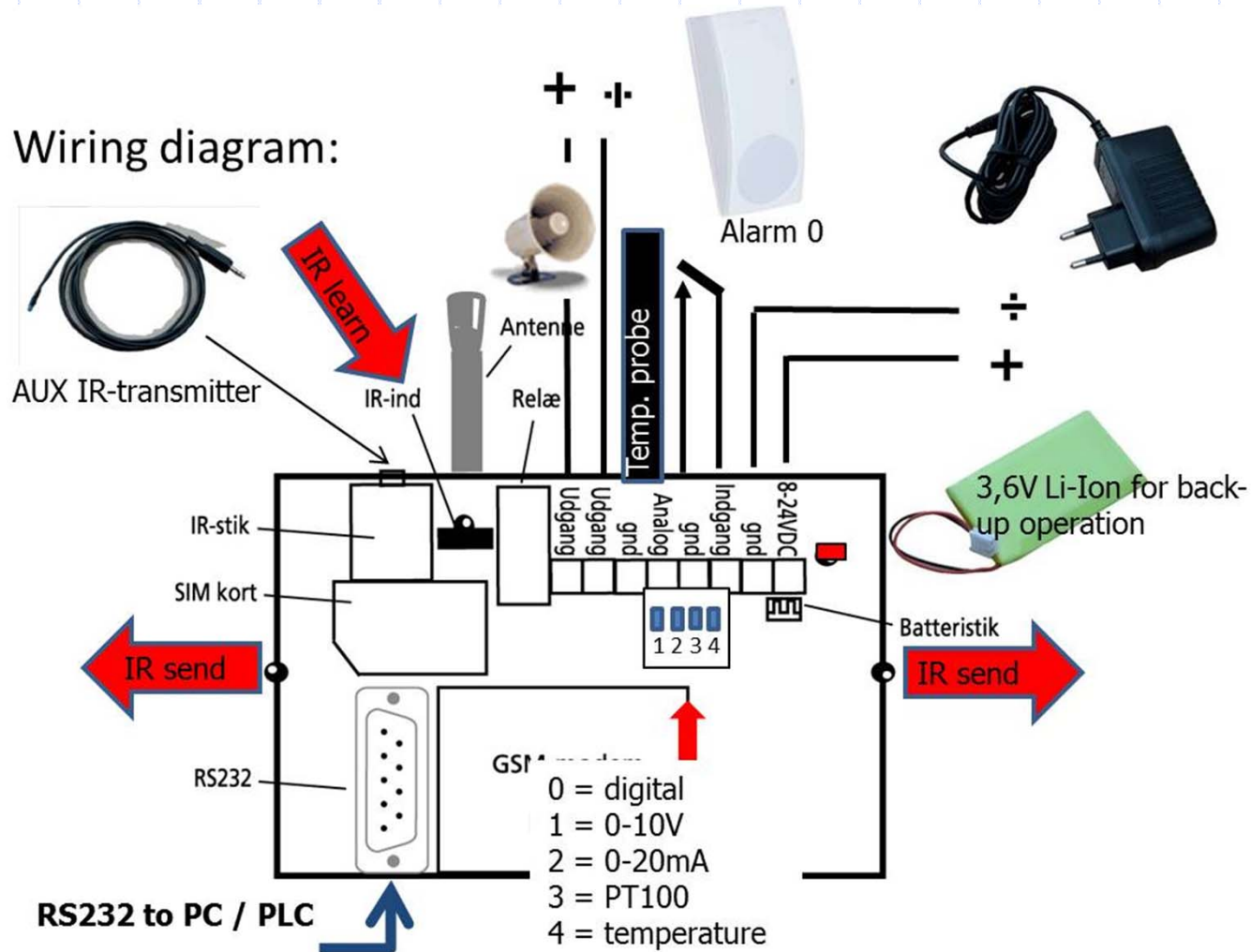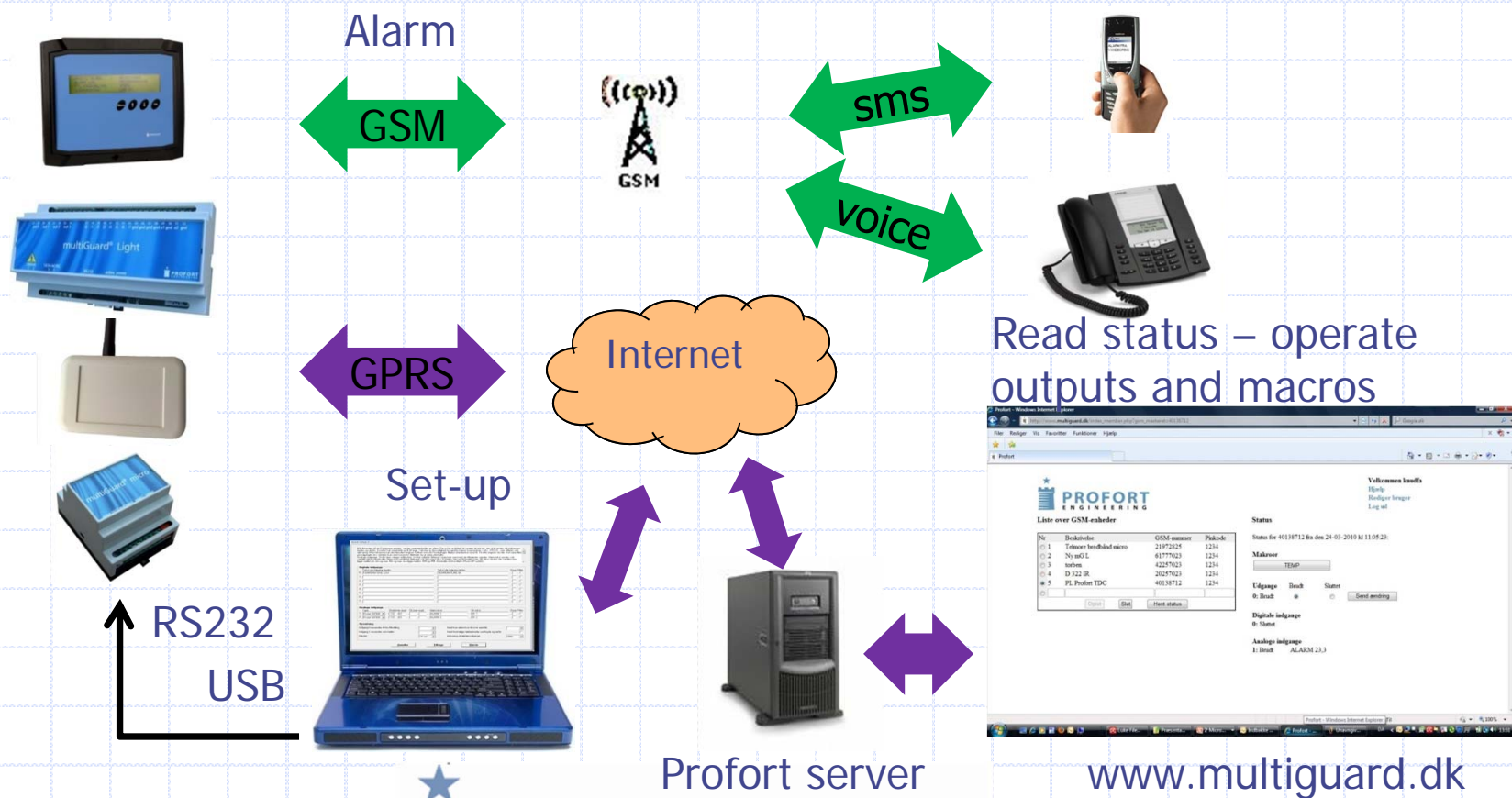- **Piccolo:** Wireless object protection

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GSM/GPRS alarm-control-loging

multiGuard: *) extras	remote	micro	Light	Industri
Outputs (max. current)	1 (6A)	1 (6A)	4 (6A)	4 (16A)
Analog outputs (0-10V)	-	-	-	1
Inputs alarm	1	1	8	4
Inputs analog	1	1	2	4
Infrared	2	1 *	-	-
Housing	Wall box	4 DIN module	9 DIN module	IP65 box
Power supply (AC+DC)	12V	8-24V *	230/12-24V	230/12-24V
Back-up battery	3,6V Lith.	3,6V Lith. *	9V accu *	9V accu *
Alarm message	sms/DTMF	sms/DTMF	sms/voice/DTMF	sms/voice/DTMF
Wireless	-	-	-	868Mhz *
Display	-	-	-	yes *

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mG remote: Electrical overview

Wiring diagram:

- AUX IR-transmitter
- IR learn
- IR-ind
- Antenne
- Relæ
- Alarm 0
- Temp. probe
- 3,6V Li-Ion for back-up operation
- IR-stik
- SIM kort
- IR send
- Udgang
- Udgang gnd
- Analog gnd
- Indgang gnd
- 8-24VDC
- 1 2 3 4
- Batteristik
- IR send
- RS232
- GSM modem
- RS232 to PC / PLC

0 = digital
1 = 0-10V
2 = 0-20mA
3 = PT100
4 = temperature

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E N G I N E E R I N G

GSM/GPRS set-up and alarm

Alarm

GSM

sms

voice

Internet

GPRS

Set-up

Read status – operate outputs and macros

RS232

USB

Profort server

www.multiguard.dk

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Specification

Hardware:

- Output relays: 6A / 16A
- Analog output: 0-10V
- Input alarm: NO/NC or 24V
- Input analog: 0-10V, 4-20 mA, PT100, temperature probe
- Input 0: ON/OFF (level-/puls switch)
- Input 1: Pulse- minute counter
- 90 sek. Voice recording
  - 6 sec. ID
  - 6 sec. / 2x3 sec. per input
  - 3 sec. Power supply + sabotage
- DTMF tones for automated alarm equip.
- Build-in antenna – external possible
- Alarm by power failure(w/ battery)

Functions in SW

- 25 numbers in calling list
- 8 alarm zones
- 10 macros (alias for commands)
- Activate output by alarm (10 sec. – 15 min. / constant / follow input)
- Command execution in text by alarm
- Time controlled ON / OFF
- Timer control of output 2 (2 intervals)
- Status message (15. min. – 1 x pr. week)
- Screening of calling party for control
- Filter on inputs (10 sec. – 30 min.)
- Delay of alarm (30 sec.)
- Change calling order by SMS
- Modem for PLC via RS232
- SIA-IP for supervision of alarms (GPRS)

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PC-program

Quick set-up:

 ◆ 4 menus with help text

Basic set-up:

 ◆ Upload configuration
 ◆ Management of many configs.
 ◆ a.m.m.

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Log
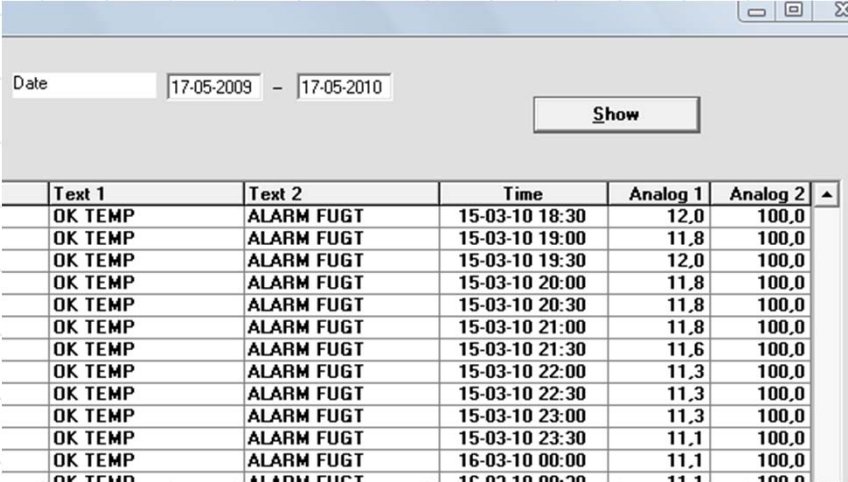
Alarm

- 256 alarms and commands
- Time stamp of alarms
- Read log with sms
- Read log with PC (Basic set-up)

Analog measuremets

- 2 x per hour
- 2 years data in log
- Data as .csv-file
- Export to e.g. MS Excel

```
OK>> PL >PA
OK>> PL POWER OK 10/03/24,12:39:30
OK>> PL POWER FAILURE 10/03/24,11:57:04
OK>> PL >N0 40138712 1234 1234
OK>> PL NO TIME
OK>> PL NO TIME
OK>> PL >B0 10/03/24,10:06:58
OK>> PL >S0
OK>> PL >PA
OK>> PL >TM 10/03/24,09:46:27 10/03/24,09:46:27
```

Alarm log

Date [17-05-2009] – [17-05-2010]   **Show**

Text 1	Text 2	Time	Analog 1	Analog 2
OK TEMP	ALARM FUGT	15-03-10 18:30	12,0	100,0
OK TEMP	ALARM FUGT	15-03-10 19:00	11,8	100,0
OK TEMP	ALARM FUGT	15-03-10 19:30	12,0	100,0
OK TEMP	ALARM FUGT	15-03-10 20:00	11,8	100,0
OK TEMP	ALARM FUGT	15-03-10 20:30	11,8	100,0
OK TEMP	ALARM FUGT	15-03-10 21:00	11,8	100,0
OK TEMP	ALARM FUGT	15-03-10 21:30	11,6	100,0
OK TEMP	ALARM FUGT	15-03-10 22:00	11,3	100,0
OK TEMP	ALARM FUGT	15-03-10 22:30	11,3	100,0
OK TEMP	ALARM FUGT	15-03-10 23:00	11,3	100,0
OK TEMP	ALARM FUGT	15-03-10 23:30	11,1	100,0
OK TEMP	ALARM FUGT	16-03-10 00:00	11,1	100,0
OK TEMP	ALARM FUGT	16-03-10 00:30	11,1	100,0

Analog log

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E N G I N E E R I N G

Infrared

PIR

TEMP
Read temperature

S0 or B0
Output ON / OFF

M1 HEAT22
Start programming

IR

remote

POWER FAILURE
Alarm by power failure

PIR ALARM
Intrution alarm

Program: e.g. HEAT, 22 °C

IR

HEAT22
Activate function

Heat pump

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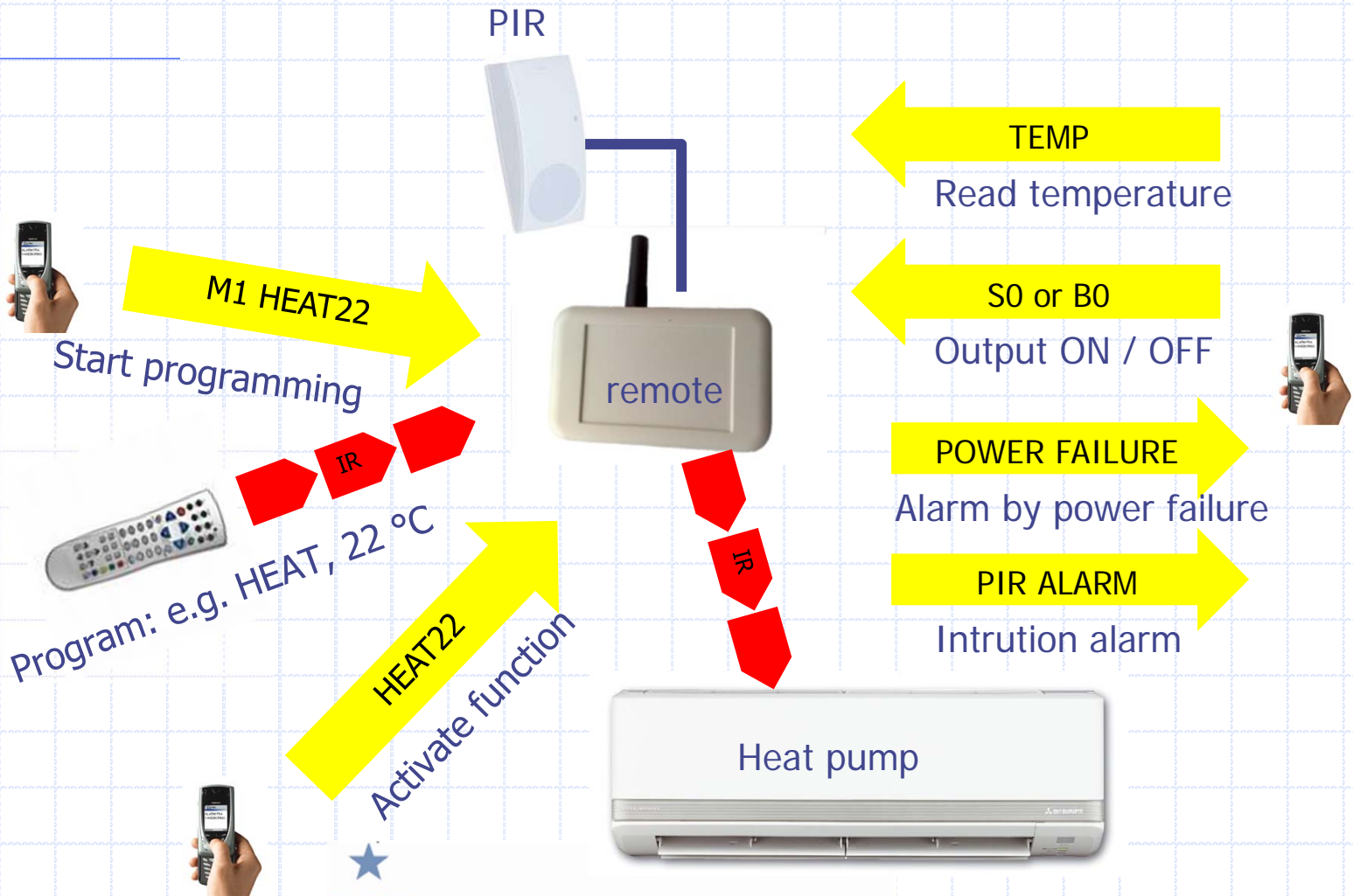
Industri: temperature and humidity

Alarm

GSM

GPRS

multiGuard Industri

GSM

sms

voice

SIA-IP

Internet

Security

climaSpot:
- temperature
- humidity

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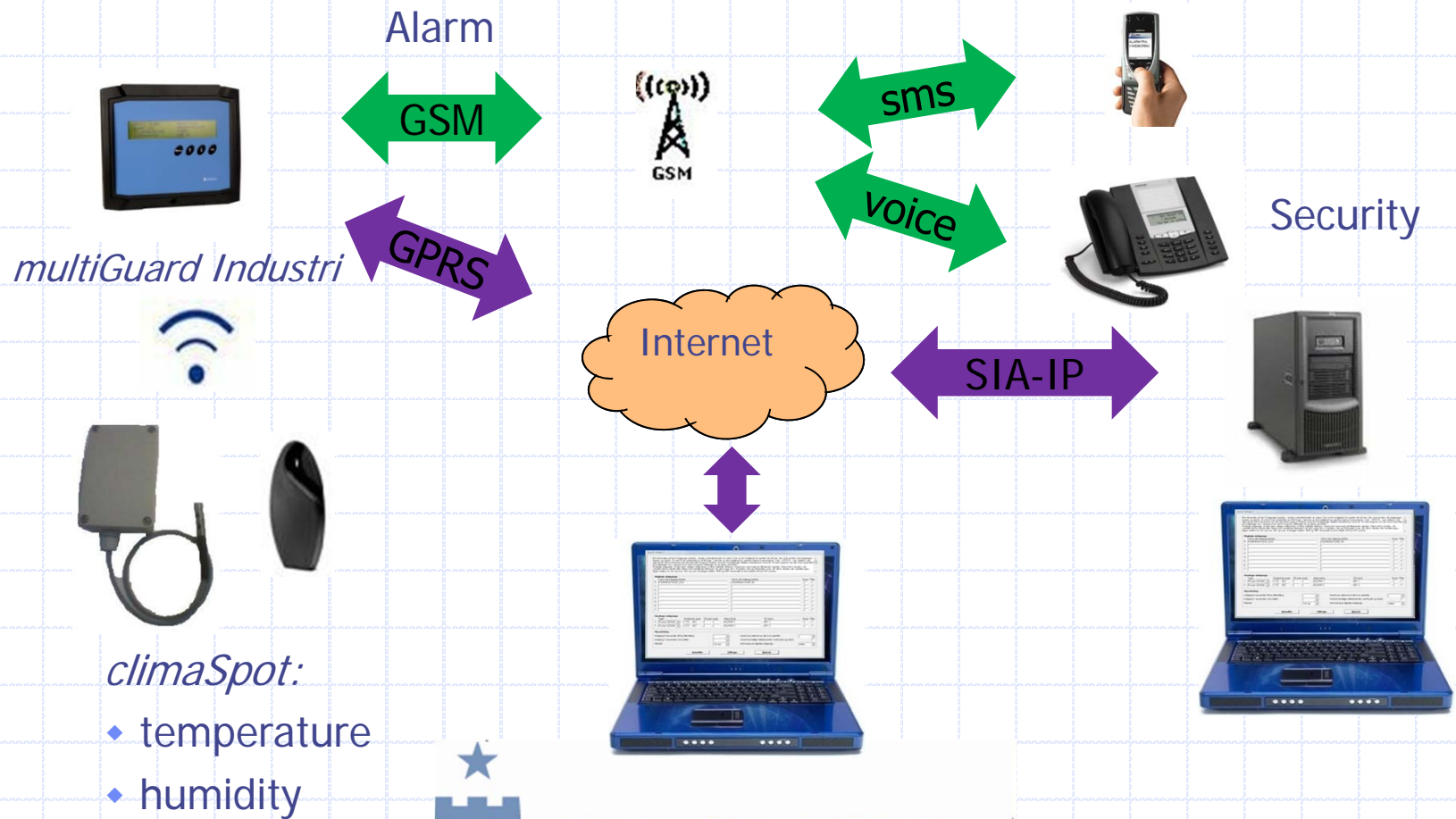
Extras

For Industri	item
climaSpot	004860
climaSpot IP65	006410
Sensor for climaSpot IP65	006310
Wireless module	007520

Product	item
Li-ion 3,6V battery	009010
External antenna	369003
IR-transmitter	009065
IR-gooseneck	009067
Temperature probe	007995
PC-software Basic set-up	900202

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