

Wireless Controllers



STATUS SIM

ARC-10
Alarming & Remote Control Unit

RS232C DI1 DI2 GND VCC -DO1- -DO2-

SB POWER NETWORK

RS232C VCC Vx GND IO EXP

DO 1 2 3 4

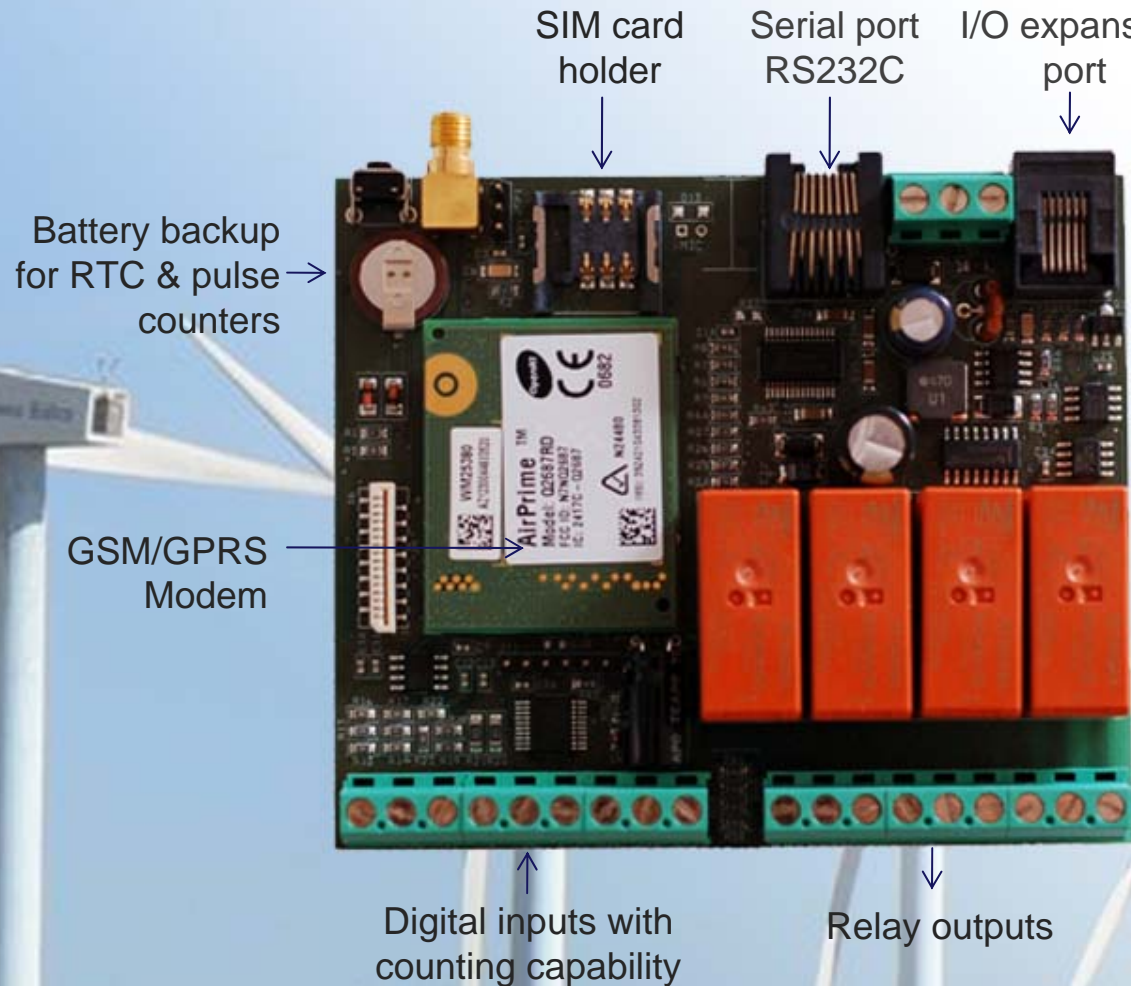
Scom-100

DI 1 2 3 4

GND -DO1- -DO2- -DO3- -DO4-

SIR SMS
ERROR
STATUS
READY

Building block for remote control & alarming



Functions

- Local control
- Measurement
- SMS alarming
- Remote control via SMS
- Data transmission
- GSM/GPRS communications

The Infinite advantage

Infinite's wireless controllers employ simple ASCII configuration commands for unit setup and control.

All setup commands can be passed and tested using a terminal on the PC.

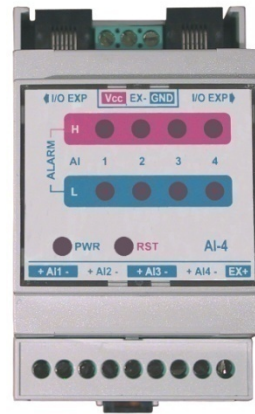
The same ASCII commands are valid for controlling and configuring the unit via SMS.

SCOM-100, GSM/GPRS controller



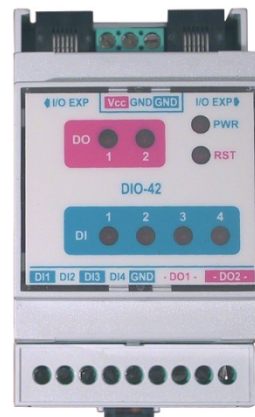
Basic unit

Supply voltage	12..24 VDC
Digital inputs	4, 0-30VDC
Pulse counters:	4, retentive, 2KHz
Analog inputs	2, 10 bit resolution
Digital outputs	4, relay 250V/10A (AC1)
Wireless modem	Quad Band GSM/GPRS
Functions	ON/OFF & PID control, Time schedules, etc.



GE-AI-4, Analog input expansion module

Supply voltage	12..24 VDC
Analog inputs	4, differential, 12 bit resolution
Input range:	0-1V, 0-20/4-20mA
Excitation:	2mA constant current source



GE-DIO-42, Digital I/O expansion module

Supply voltage	12/24 VDC
Digital inputs	4, input, 0-30VDC
Pulse counters:	4, retentive, 2KHz
Digital outputs	4, relay 250V/10A (AC1)



ARC-10, GSM/GPRS controller



Supply voltage	12/24 VDC
Digital inputs	2, 0-30VDC
Digital outputs	2, relay 250V/10A (AC1)
Wireless modem	Quad Band GSM/GPRS
Temperature	-10°...+55°C, operating

Features

- One output can be configured to switch with a toll-free phone call.
- Simple SMS commands for both configuration & control.
- Flexible user administration.



Water resources management

- Irrigation control
- Water tank & pump remote control
- Municipal water pipeline monitoring
- Leak detection in distribution pipelines
- Waste water treatment
- M2M systems

Devices: **SCOM-100** GSM Controller



M2M application utilizing two intercommunicating SCOM-100 units in the waste water treatment installation of the Posestvo Pule Hotel in Slovenia.

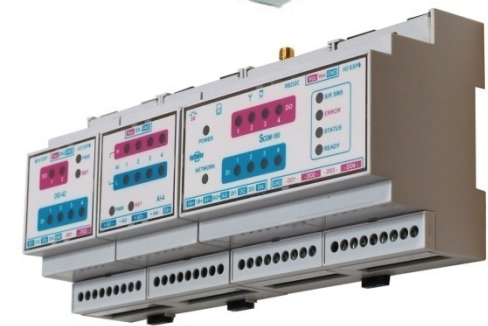


Power grid

Earth fault detection and localization in urban power distribution systems

- Earth faults can be located in the first minute after occurrence
- M2M functionality in combination with the BSC-50 autonomous RTUs
- Significant reduction of the CAIDI and SAIDI reliability indicators

Devices: [SCOM-100](#) GSM Controller
[BSC-50-D](#) or [BSC-50-E](#) RTU/Data logger

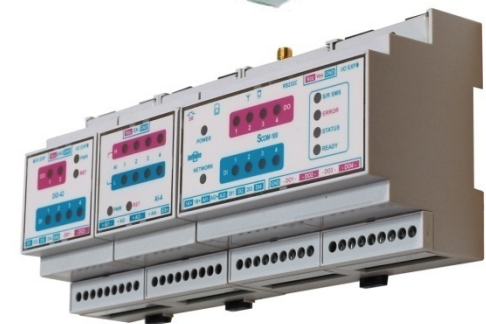




Gas Distribution

- Flow and pressure
- Moisture and leak detection
- M2M functionality in combination with the BSC-50 autonomous RTUs
- Level measurement on Gas Storage Tanks, as LPG tanks

Devices: [SCOM-100](#) GSM Controller
[BSC-50-D](#) or [BSC-50-E](#) RTU/Data logger

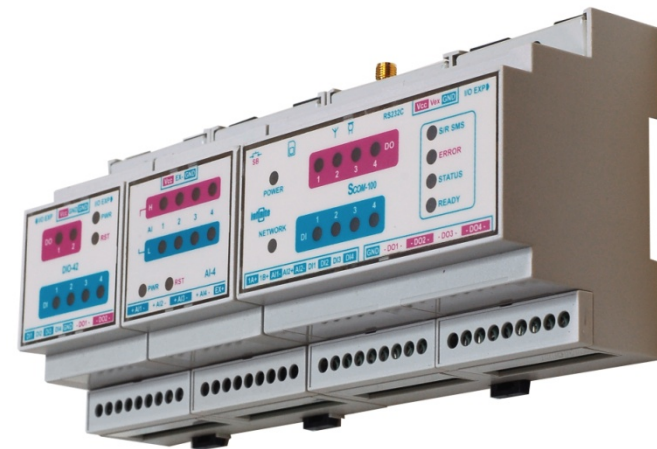




Cell site monitoring

- Power issues: Generator voltage, current
- Diesel fuel level
- Backup battery readiness
- Temperature and humidity
- Smoke and water
- Tower lighting
- Door open and motion detection

Devices: [SCOM-100](#) GSM Controller





Intelligent traffic control

- Power failure, intruder, fault alarm
- Status of each traffic light
- SMS remote control
- Resetting the traffic controller
- Serial bridge to the traffic light controller over GPRS

Devices: [ARC-10](#) GSM Controller

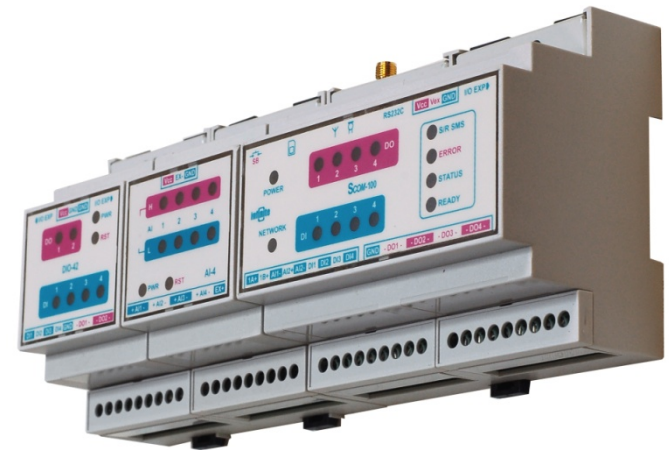




Computer room monitoring

- Environmental monitoring: Temperature, humidity
- Air conditioning systems failure alarming
- Server and IT equipment temperature
- Fire and smoke alarming
- Door open and motion detection
- Power issues

Devices: **SCOM-100** GSM Controller

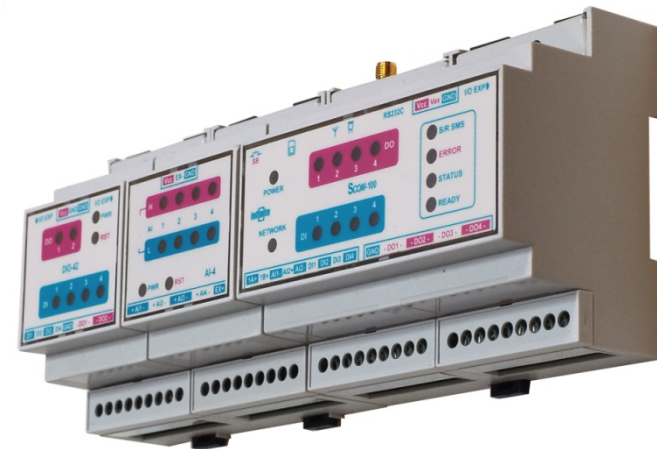




Greenhouse control & monitoring

- Temperature & humidity automatic control
- Heating system failure alarming
- Time scheduled controls
- CO2 concentration
- Door open and motion detection
- Power issues

Devices: **SCOM-100** GSM Controller



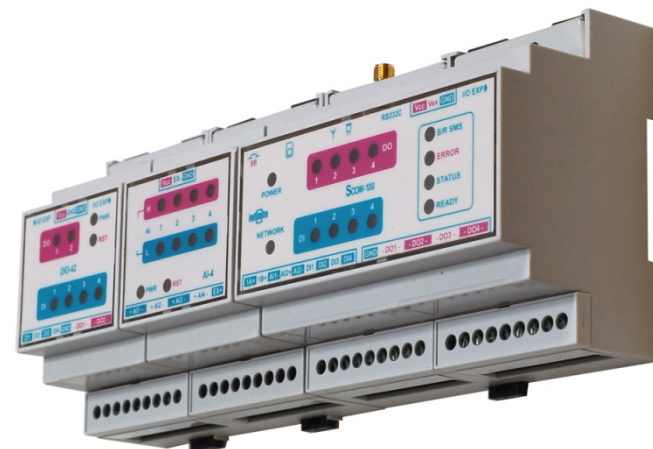


Factory automation

- Smart fault alarming system
- Automated production line monitoring
- Time scheduled controls
- Notify authorized maintenance personnel

Devices:

SCOM-100 GSM Controller





Vending machines monitoring

- Remote auditing via GPRS
- Remote control via SMS
- Fault & security alarming
- Notify authorized maintenance personnel

Devices: **ARC-10** GSM Controller





Home automation

- Garden irrigation
- Heating ON/OFF remote control
- Security alarm monitoring
- Time schedule controls (SCOM-100)
- Access a garage door with a toll free phone call (ARC-10)

Devices:

SCOM-100 GSM Controller

ARC-10 GSM Controller



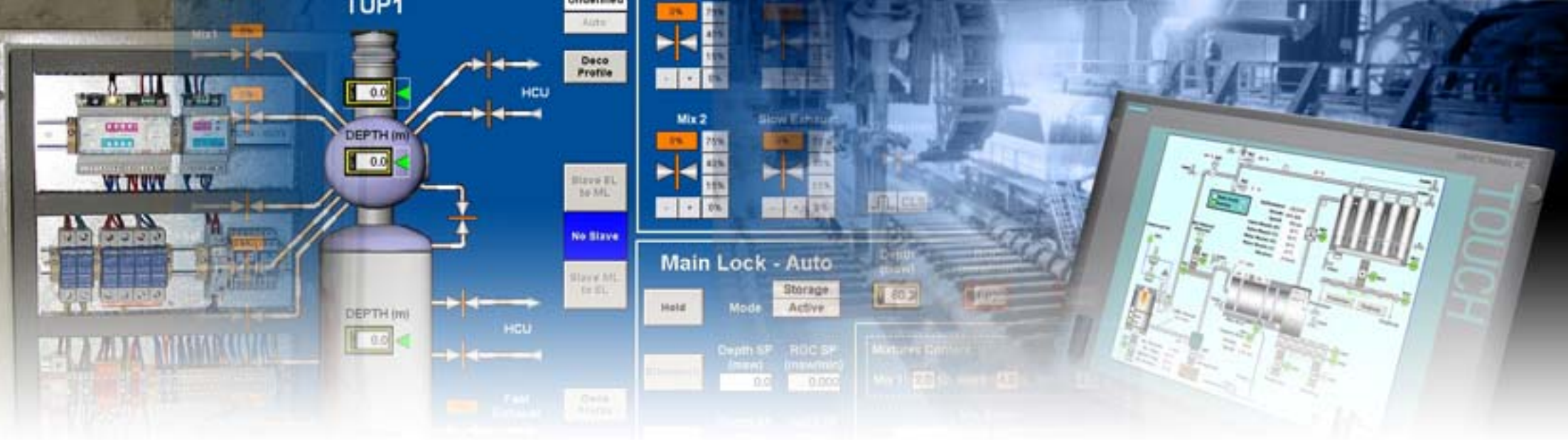


Parking barrier access control

- Access a parking gate with a toll-free phone call
- Easy administration of up to 500 users via SMS
- Block /Release access via SMS

Devices: **ARC-10** GSM Controller





SCADA over GPRS

- SCOM-100 integration to popular SCADA software systems
- OPC server conforms to OPC Data Access specification
- SCOM-100 units connect via GPRS to a fixed IP
- Tag types: Analog Input, Digital I/O & Counter
- SCOM-100 main unit & expansion support
- Standard OPC server supports 1000 tags

Devices:

SCOM-100 GSM Controller

