SCOM-100

GSM/GPRS alarming & remote control

Computer room monitoring & alarming

Version: 1.0 – January 2012

Introduction

IT infrastructure monitoring is a necessity for all modern companies. Server down time means losses in productivity and resources. Regardless if the IT equipment in a server room is old or considered as legacy, every server room should be protected with extensive monitoring and alarm devices.

SCOM-100 is a GSM/GPRS alarming, remote monitoring & control unit with expandable I/O capable to handle demanding applications such as alarming and monitoring of server rooms.

Requirements

Alarming & Monitoring

- Room Temperature,
- Server and IT equipment Temperature,
- Humidity and leakages,
- Fire and Smoke alarming,
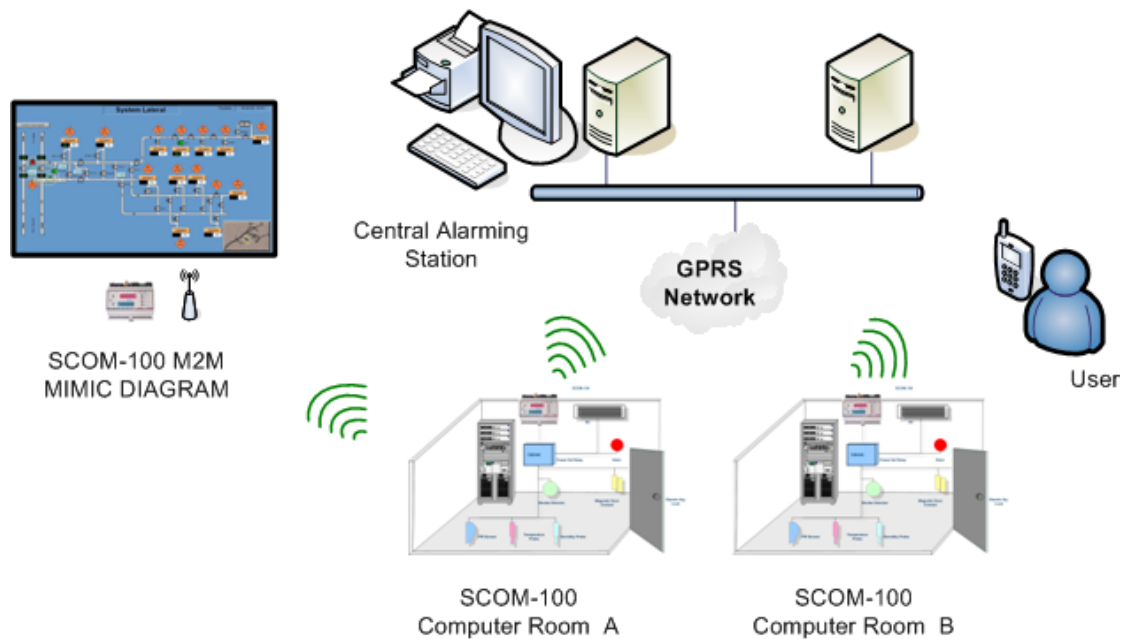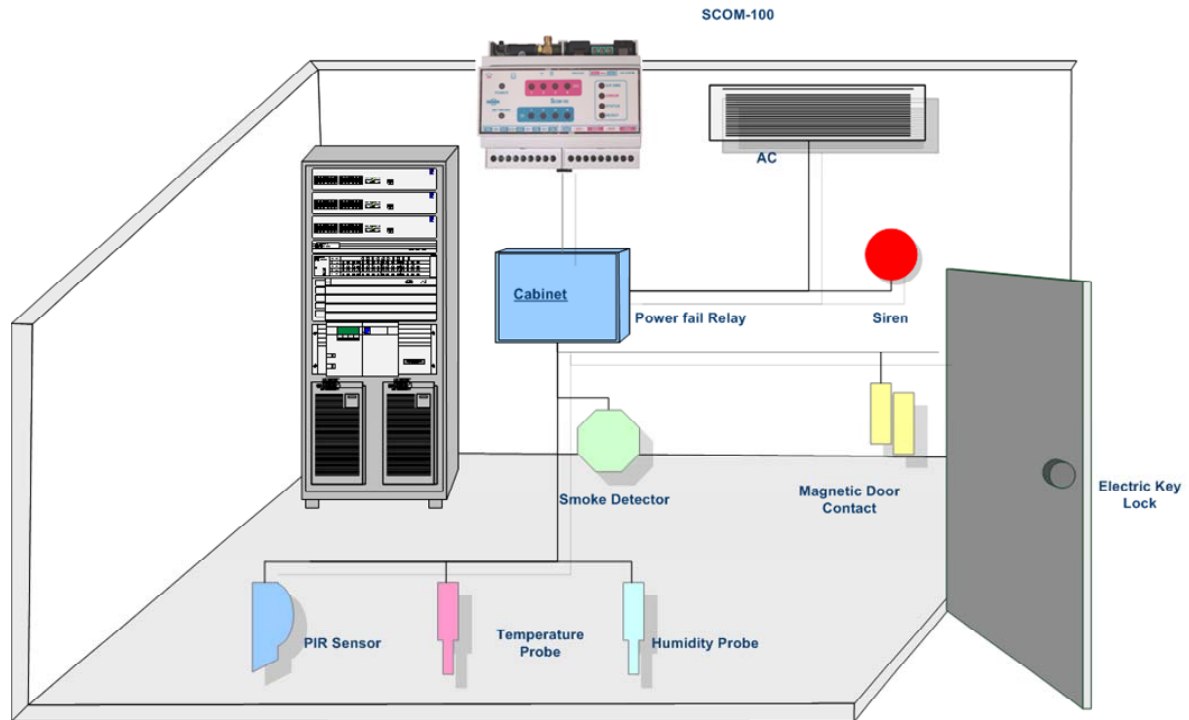- Power
- Access control

Local & Remote Control

- Access the room e.g. open the door,
- Start an air-conditioning unit,
- Open a window,
- Sound an intruder siren,
- Engage or disengage power.

Functionality

- Monitor measurements in server rooms in geographically distributed server rooms
- Monitor and report data to a central database or SCADA system.
- Immediate alarming using SMS
- Take advantage of a cellular communications network using SMS and GPRS communications
- High expandability

Proposal

Infinite SCOM-100 is a GSM/GPRS Edge compatible cellular RTU solution designed specifically for remote monitoring of server rooms. Compared with traditional SNMP solutions, that require Ethernet presence, cellular offers a reliable way access server rooms, when the existing IT infrastructure has failed.

SCOM-100 can communicate with a central database or SCADA system regardless of what kind of IP address it uses over GPRS.

In addition, it provides real time data from the remote location allowing users at the central station to issue commands to the remote stations to perform standard control actions because the SCOM-100 supports local functionality, making it a truly PC-free solution. SCOM-100 is a 24/7 RTU that can receive and send SMS alarms instantly while maintaining GPRS connectivity.

SCOM-100 communicates via SMS and GPRS with users, PCs, other SCOM-100 units in M2M, all at the same time.

The SCOM-100 OPC Server software integrates seamlessly with any SCADA system.

Why SCOM-100

- All-in-one cellular GPRS quad band solution
- Real-time data acquisition
- Easy to implement and maintain
- Seamless connection to SCADA via OPC server
- SMS alarms & M2M functionality (one SCOM to another)
- Low cost expansion IOs