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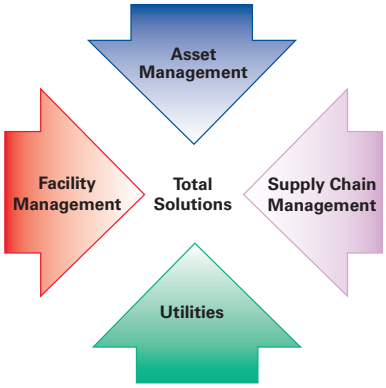
GPRS
for solutions in:



3040 GPRS Communicator

UCM-97 GPRS Communicator

On Line Communication With Your Application

The Internet-ready UCM-97 GPRS Communicator is the latest development in IP based communications equipment for the exchange of data with remote processes.

The UCM-97 is supplied with very simple, user-friendly set-up and configuration tools, which eliminates the need for any specialist knowledge.

The UCM-97 GPRS Communicator offers instant and constant data communication. You only pay for the data transmitted.

Main Functionality

The UCM-97 offers 3 different functions :

- GPRS Wireless alarm system featuring event based communication.
- GPRS Wireless Ethernet routing of data to any equipment with an Ethernet port.
- GPRS Wireless ModbusTCP to Serial ModbusRTU .

Basic specifications:

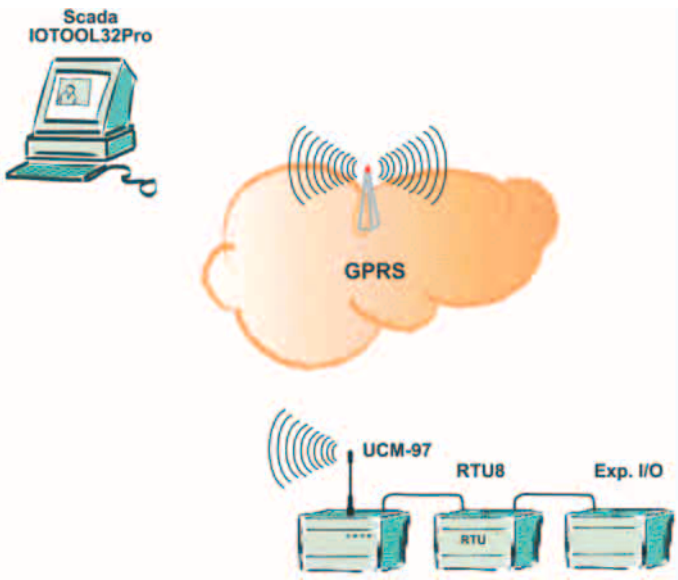
- GPRS Class 10.
- Extended watchdog function monitoring the GPRS on-line connection and serial line communication.
- Built-in WebServer used for configuring the device with a standard browser like MS Internet Explorer.
- Dynamic DNS implementation which allows you to use standard GPRS SIM cards with dynamic assigned public IP addresses.

GPRS Wireless Alarm System with Event Based Communication

In order to reduce costs the UCM-97 GPRS Communicator features event based communication. Alarms, whether as single alarm points or setpoint activated analogue inputs, can be pushed to the host using the **IOTOOL32Pro Event driver**. Alarm conditions and local control are handled in the application programme in the Brodersen RTUs. Pushed data packages contain the total status of any IO predefined in the application programme.

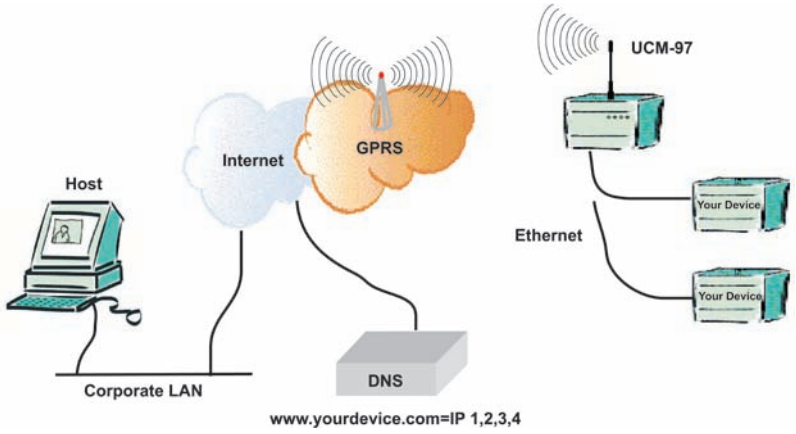
The UCM-97 will also serve as a standard Modbus TCP Server. This means that the modem RTU/ alarm unit can be accessed from the host or several hosts acting as any standard Modbus TCP Server. The system makes it possible to gain full access to configure and programme the remote module.

If the application requires pushing of data from the remote site to the host only, any standard GPRS enabled Sim card can be used. In cases where communication from host to remote module is needed it requires either a fixed IP address or a domain name provided by e.g. DynDNS.org.



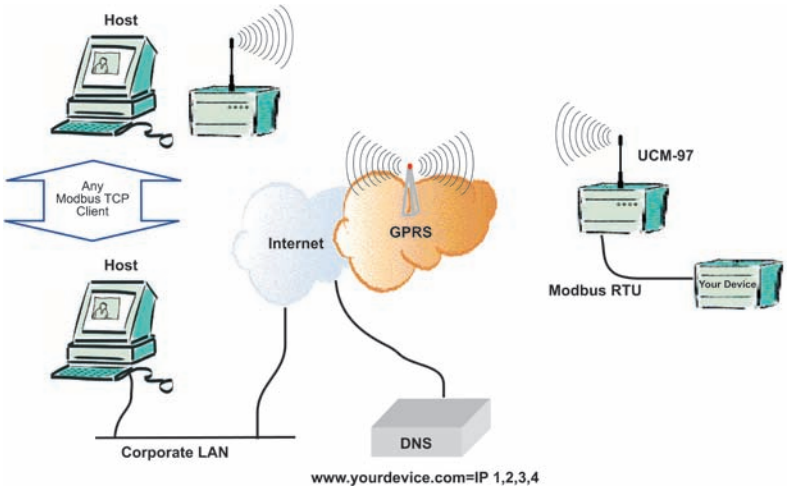
GPRS Wireless Ethernet

One of the special features of the UCM-97 is the integrated routing function offering wireless Ethernet communication. GPRS networks do not normally support routing facilities, but the UCM-97 GPRS Communicator can be configured to route communications to a local network connected to the Ethernet interface. A Network Address Translation (NAT) routing table is set up in the UCM-97 which will link the communication to the right recipient in the network. To cope with firewall restrictions e.g. for FTP (File Transfer Protocol), the UCM-97 features a special, automatic FTP Natting Function. When using the UCM-97 GPRS Communicator for wireless Ethernet routing, it can be commissioned to operate either on the public Internet with its own domain name (www.yourdevice) or, alternatively, in a private network.



GPRS Wireless ModbusTCP to Serial ModbusRTU

The UCM-97 gives wireless access to any device with a serial ModbusRTU interface. The GPRS Communicator converts ModbusRTU into TCP/IP based ModbusTCP which will respond like any other Modbus TCP Server on the Internet or on a private GPRS Intranet. This also allows the UCM-97 to be accessed from multiple ModbusTCP clients. When using the UCM-97 as a Wireless ModbusTCP to Serial ModbusRTU device, it can be commissioned to operate either on the public Internet with its own domain name (www.yourdevice) or in a private network environment.



The UCM-97 can even be used to provide tunnelling facilities for devices which do not support TCP/IP or PPP, e.g. for remote com port applications.

Configuration

The UCM-97 module is configured via the configuration pages which can be accessed from the UCM-97 main home page. This offers an easy and trouble-free set-up of all configuration parameters

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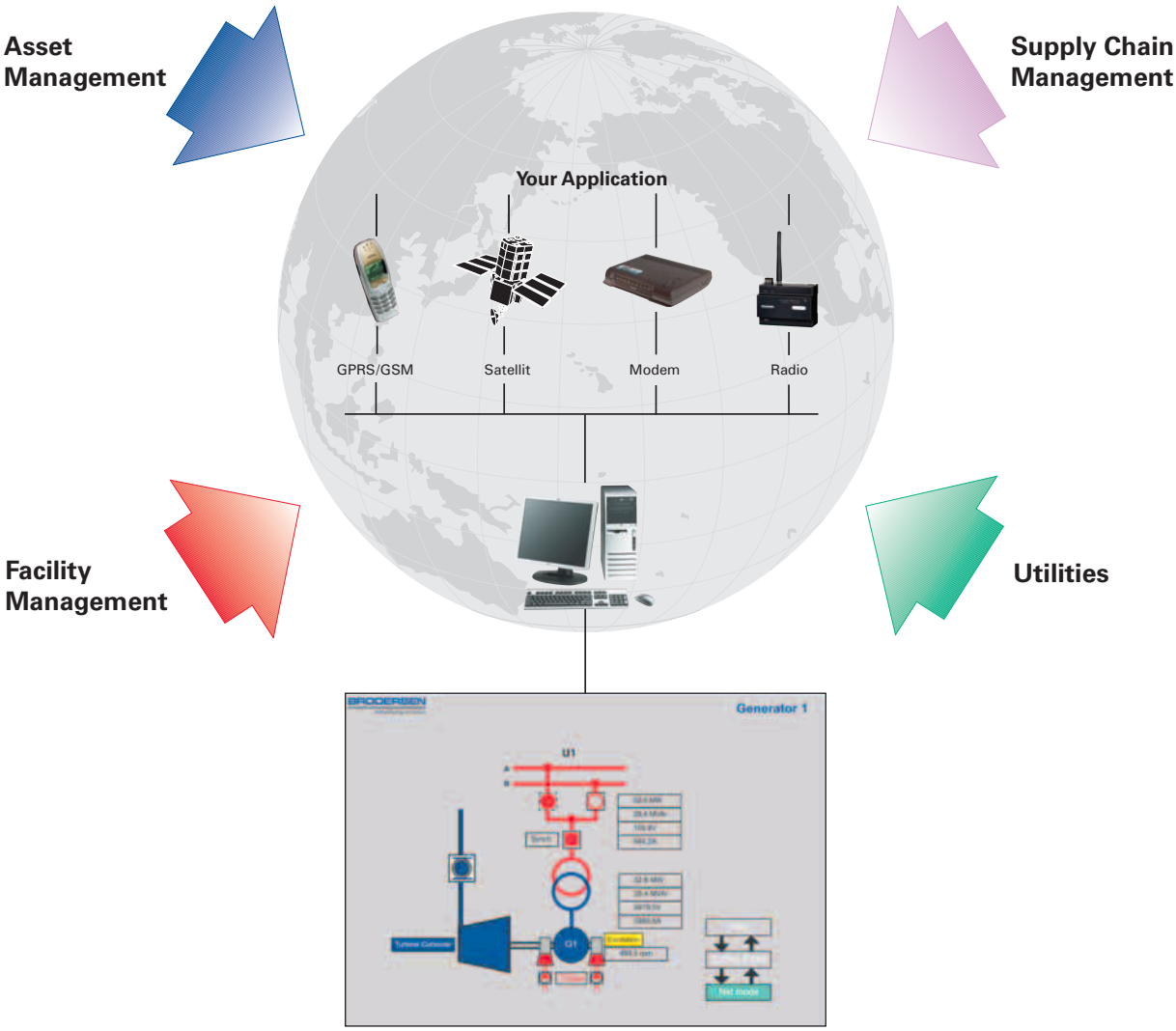

Brodersen Controls has for more than 30 years designed and produced industrial process components including remote outstations, data loggers and data communication systems for the process and automation industry.

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