

# BRODERSEN



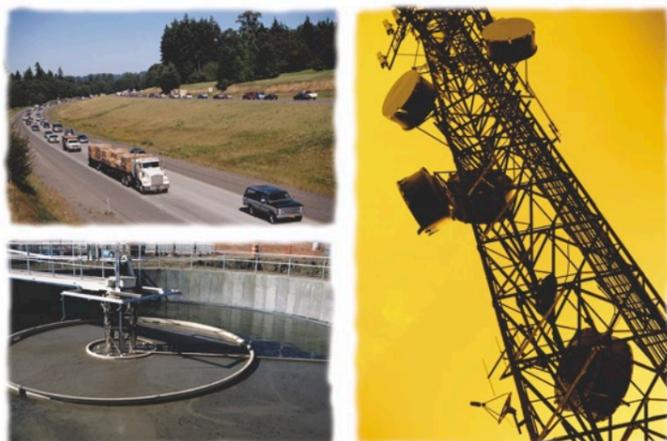
3020 GSM Modems



## 3020 GSM Modems

GSM Cell Phone Networks are in use world-wide, providing convenient, secure and economic communications.

Series 3020 is an industrial GSM Modem developed by Brodersen to offer instant, wireless access to remote sites. Not only does it provide functionality similar to a standard telephone modem, it also makes it possible to retrieve data from remote sites with no existing telephone lines, and where the cost of installing a new telephone line would be prohibitive.



## Full Compatibility

Our GSM Modems provide world-wide communication and are available for all three different types of network, GSM900, GSM1800, GSM1900 and with Dual Band option to shift from one type of network to another. Series 3020 is standard Hayes compatible and is controlled by AT commands.

An RS-232/V.24 port interfaces the GSM Modem to its host equipment, be it a Brodersen RTU, a PC, a PLC or any other controller having an RS232/V.24 connection.

## GSM Antennas for All Needs

Series 3020 GSM Modems are delivered with an antenna connector on top, to which a range of different antennas can be attached. Brodersen Controls offer different types of antennas for both mobile and fixed installations including mounting brackets, cables etc.

## Plug 'n' Play

- Easy to install
- Hayes Compatible
- SMS, data and fax-ready
- Industrial DIN-rail housing
- Fully integrated and type-approved for GSM Phase 2
- Autobauding, 300-9600 baud.

| Type                   | Data | SMS | Fax | Voice | Type No.        |
|------------------------|------|-----|-----|-------|-----------------|
| GSM 900                | Yes  | Yes | Yes | Yes   | UCM-91.912/900  |
| GSM 900                | Yes  | Yes | Yes |       | UCM-92.912/900  |
| GSM 1800               | Yes  | Yes | Yes | Yes   | UCM-91.912/1800 |
| GSM 1800               | Yes  | Yes | Yes |       | UCM-92.912/1800 |
| GSM 900/1800 Dual Band | Yes  | Yes | Yes | Yes   | UCM-91.912/918  |
| GSM 900/1800 Dual Band | Yes  | Yes | Yes |       | UCM-92.912/918  |
| GSM 900/1900 Dual Band | Yes  | Yes | Yes | Yes   | UCM-91.912/919  |
| GSM 900/1900 Dual Band | Yes  | Yes | Yes |       | UCM-92.912/919  |

## Flexibility

With the 3020 GSM Modem, Brodersen offer increased flexibility in a wide range of installations. Systems integrators, service technicians, OEMs and end users can enjoy the benefits of wireless communication with remote sites providing on-line communication, data acquisition and SMS.

## Diverse Applications

Our 3020 GSM modem can be used in many different industries, including water, gas and electricity and for many different applications such as service, maintenance, warranty and alarm handling. In particular, GSM modems are ideal for environmental monitoring in rural areas, for temporary control and monitoring applications.

## Battery or Solar Power?

The GSM is supplied with a voltage from 6-32VDC and can, therefore, also be used in battery and solar power operated applications.



The 3020 GSM Modems are part of a range of Communication Modules from BRODERSEN comprising Telephone Modems, Radio Modems and GSM Modems. These are all standard modems which will work with a wide range of controllers including PLCs and PCs.

All these modems are a part of the BRODERSEN Series 4000 Remote Outstations and Data Loggers, offering solutions for acquisition and communication of remote process data.



GSM Modem fitted on DIN rail next to Brodersen compact outstation RTU8

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The **BRODERSEN** group has for more than 30 years supplied industrial process components including remote outstations, data loggers and communication modules for the process and automation industry.

