

GDW-11 485

GSM modem



- ❑ GSM 900/1800 MHz
- ❑ Extended temperature range
-25°C to +50°C (-13 to +122°F)
- ❑ GPRS, class B, class 10
- ❑ DTR triggered -dialling and SMS
- ❑ Up to 11 data bits
- ❑ 8 × LED indicators
- ❑ Speed CSD up to 14.4 kbit/s, GPRS
up to 85.6 kbit/s
- ❑ Speed serial: 300 to 115.2 kbit/s
- ❑ Galvanic isolation for power supply
- ❑ TCP/IP Stack
- ❑ RS-232 / RS-422 / RS-485 interface

Field of application

The GDW-11 485 is a GSM/GPRS modem designed for industrial applications that can be used on 900 and 1800 MHz GSM networks. The modem requires a SIM card to provide connection to a network service provider.

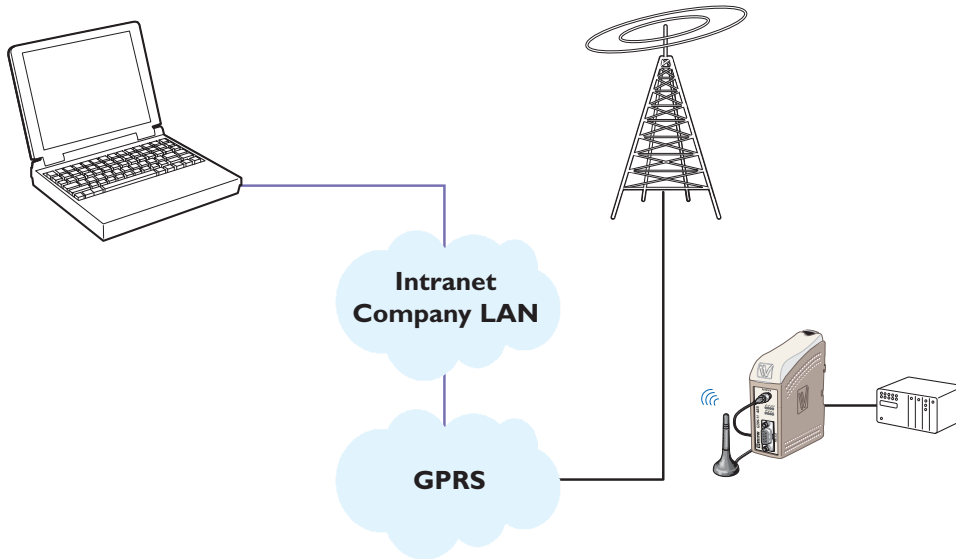
As well as a standard RS-232 port the GDW-11 485 has an RS-422/485 interface allowing multidrop connections to many types of industrial equipment.

The modem contains an enhanced TCP/IP stack to allow GPRS (**General Packet Radio Service**) connections to be made seamlessly and reliably ensuring maximum availability of the GPRS connection. If the GPRS connection is broken the modem can automatically re-establish the link.

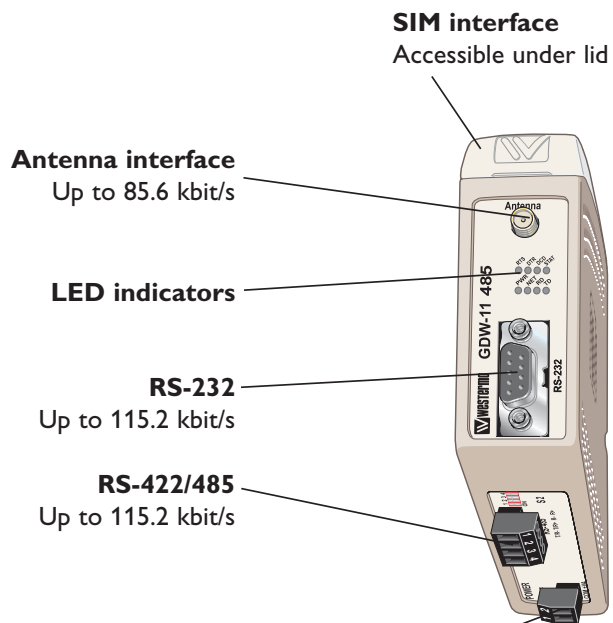
Another enhanced feature in the modem includes the ability to make a CSD connection or send an SMS message when the DTR signal is activated, allowing the modem to be used in applications where the connected device has no intelligence to initiate a call using AT commands.

If a PIN number is used by the network, this can be stored in the modem to ensure the availability of the modem after a power failure. The modem can also periodically re-register with the network, this is required as some networks will deregister a SIM that has not moved or been active for a period of time.

Application



Interfaces



Power

	GDW-11 485
Operating voltage	9.6–57.6 VDC (polarity protected)
Rated current	350 mA @ 12 VDC
Rated frequency	DC
Connection	Detachable 2-pos. screw terminal