

ODW-621

RS-232 to fibre optic link, point to point applications



- Automatic data rate detection and retiming
- Data rate up to 250 kbit/s
- 9-position D-sub connector
- Redundant power supply inputs
- Status interface for fault indication
- LED fault indication (Red)
- Design for harsh environments
- -40 to 55°C operating temperature
- LC-2 Multimode LC connectors, 2 km
- LC-15 Singlemode LC connectors, 15 km
- LC-40 Singlemode LC connectors, 40 km
- LC-80 Singlemode LC connectors, 80 km

Field of application

The ODW-621 is a fibre optic modem designed for point to point fibre optic applications between devices with an RS-232 interface. The ODW-621 is designed for harsh industrial usage as well as road or railway installations meeting industrial level EMC specifications and having a wide operating temperature range.

The maximum distance of the fibre link depends on selected transceiver and fibre type. Fibre distances up to 80 km (50 miles) are possible using singlemode fibre. The ODW-621 is able to automatically detect the data rate of the connected DTE port and hence needs minimal configuration prior to use. The unit also has a retiming function that eliminates the problem of jitter and hence ensures reliable communications in all situations.

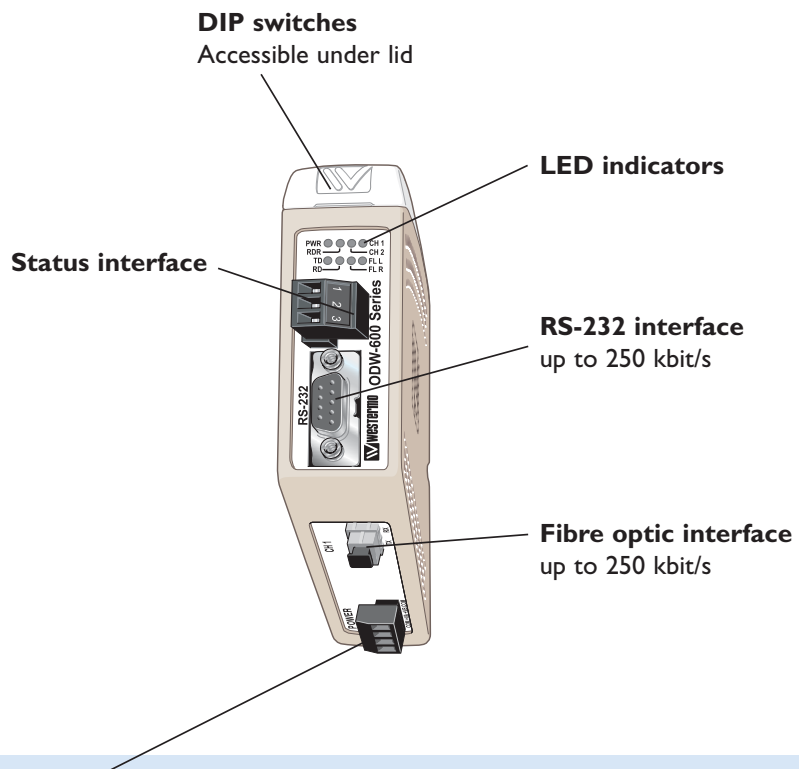
It is possible to use the ODW-621 in conjunction with the ODW-631 to provide protocol conversion from RS-232 to RS422/485 at either end of the optical link.

Application



Distances between units up to 80 km (50 miles)

Interfaces



Power

	ODW-621
Operating voltage	10 – 60 VDC
Rated current	300 mA @ 12 VDC
Rated frequency	DC
Connection	Detachable screw terminal

Data sheet available on www.westermo.com