

ODW-632

RS-422/485 to fibre optic link, redundant ring or multidrop applications



- Automatic data rate detection and retiming
- Data rate up to 1.5 Mbit/s
- 4-position screw terminal connector
- 2 or 4 wire applications
- Switch selectable termination or failsafe
- Redundant power supply input
- 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-632 is a fibre optic modem that can be used to create either redundant ring or multidrop fibre optic solutions for devices with RS-422/485 interfaces. The ODW-632 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.

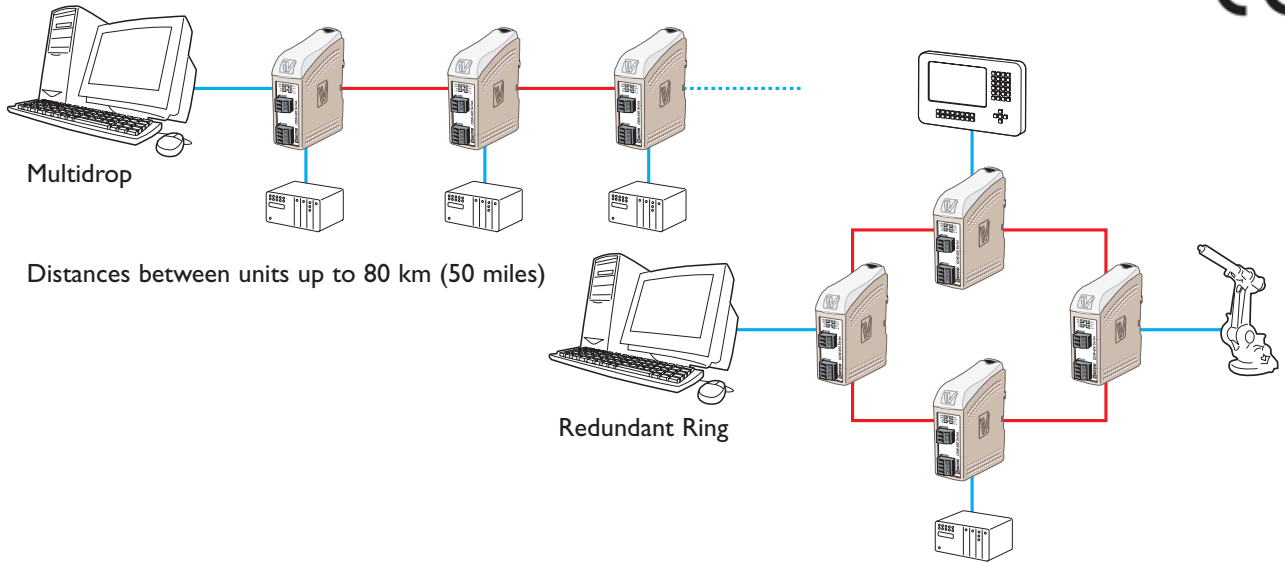
The maximum distance of a fibre link depends on selected transceiver and fibre type. Fibre distances up to 80 km (50 miles) are possible on each leg of the ring meaning huge rings over 1000 km (621.4 miles) in circumference could be created.

The ODW-632 is able to automatically detect the data rate of the connected RS-422/485 device 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. The unit has LED indication to display fault conditions as well as relay contacts that can be connected to a PLC or similar device to allow network failures to be diagnosed at a central point.

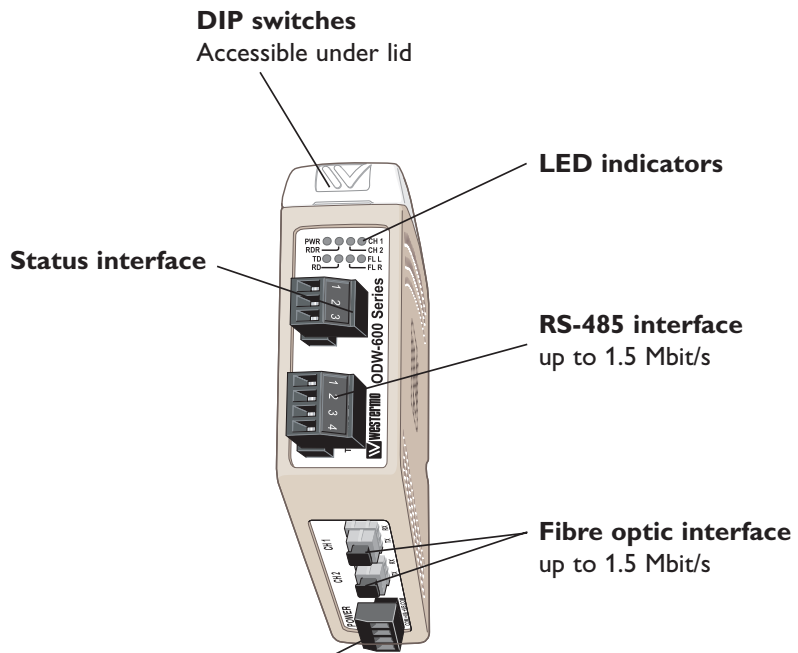
It is possible to mix ODW-632 with ODW-622 in a network and hence have both RS-232 and RS-422/485 devices in the same network. For a multidrop network it is possible to use the ODW-621 or ODW-631 as the endpoints.



Application



Interfaces



Power

	ODW-632
Operating voltage	10 – 60 VDC
Rated current	400 mA @ 12 VDC
Rated frequency	DC
Connection	Detachable screw terminal

Data sheet available on www.westermo.com