



Description

The **XLON^{LSG}** LonTalk[®] serial gateway enables the linking of devices or systems with a serial RS232, RS422 or a RS485 to interface with a LonWorks[®] network. It is designed for use in industrial control, process control and building automation.

The **XLON^{LSG}** is at present the only LonTalk[®] serial gateway, which enables the user to determine the type of the serial interface by software.



Thus, one and the same gateway can be used for RS232, RS422 and RS485 applications. The above selection and the definition of the interface parameters can be made internally via the gateway firmware.

The developer of the gateway firmware programs in Neuron[®] C on base of the **XLON^{LSG}** access library. This library provides a set of Neuron[®] C functions for accessing the **XLON^{LSG}** hardware.

The **XLON^{LSG}** has an integrated FTT-10A transceiver for Free Topology and Link Power networks or a RS485 transceiver for Twisted Pair networks.

The **XLON^{LSG}** owns a Service LED and a State LED for visualization of the Gateway's state. For use with manual installations an external Service Pin button is provided. The downloadable firmware allows updates without accessing the hardware. Sample programs in Neuron C for programming a Gateway application can be downloaded from www.xlon.de.

The **XLON^{LSG}** can be easily mounted onto a wall or on a DIN-rail. Power supply is provided externally or through a T-cable from the keyboard or mouse connector (PS/2) of your PC or Notebook.

Features and Benefits

- LonTalk[®] serial gateway
- Software configurable via USB
- FTT-10A or RS485 transceiver for LON[®]
- Serial RS232, RS422 or RS485 interface selectable by software
- Fully RS232 modem support
- External Service button and LED
- Firmware downloadable
- Compact size
- Useable for wall or DIN-rail mounting



Specifications

Serial Interface	9-pin female D-SUB
Network connection	FTT-10A, 2-conductor Weidmueller connector, type BL3.5/2FSNOR (Weidmueller ordering number 160 664) RS485 Western Modular connector 8-pole
Power Supply Connection	Mini DC power jack, Ø 1.3 mm
Service Pin Function	Controlled by Service button
Configuration State	Displayed via Service and State LED
Network Transceiver	FTT-10A or RS485 (integrated)
Network Topologies	Free Topology and Link Power with FTT-10A or Twisted Pair with RS485
Power Supply Data	5VDC, ±5%, 100mA typical
Environment Conditions	Operating temperature 0°C to +70°C (+32°F to +158°F) Non-operating temperature -45°C to +85°C (-49°F to +185°F) Maximum humidity 90%@+50°C (90%@+122°F), non-condensing
EMI	EN55022 Level B, EN61000-4-2, EN61000-4-4, EN50140, EN50141
Listings	CE mark
Processor	Neuron 3150 [®] Chip@10 MHz
Dimensions	123 x 68 x 30 mm (4.84" x 2.68" x 1.18") (length x width x height)
Weight	100g

Documentation

The User Guide is bilingual (English/German) and is included in the **XLON[®] LSG** Kit.

Ordering Information

XLON [®] LSG with integrated FTT-10A with integrated RS485	Article Number LSG1-WM-FTT LSG1-RJ-485
---	--