Managed Device Server Switch with Routing Functionality

L208-F2G-S2

- Compact Device Server Switch for legacy application
  - Flexible SFP transceiver design
  - Advanced WeOS Layer 3 functionality
  - Low power consumption
- Designed for use in industrial applications
  - Dual 19 – 60 VDC power input
  - Highly configurable fault I/O contact
  - Robust metal DIN rail housing
- Robust for long service life
  - 550.000 hours MTBF to MIL-HDBK-217K
  - –40 to +70°C (–40 to +158°F) with no moving parts
- Unique future proof industrial networking solutions
  - Legacy IP solutions
  - Network IP Security and remote access
  - Multiple network resilience solutions

Part 15 · LISTED · Industrial IT enabled · TYPE APPROVED PRODUCT DNV

EN 61000-6-2 Industrial Immunity · EN 55022 ITE Emission · EN 61000-6-4 Industrial Emission · EN 50121-4 Railway Trackside

Lynx DSS is available in two versions, L208-F2G-S2 is a device server with a layer 3 industrial Ethernet switch, powered by the Westermo WeOS network operating system. Lynx DSS is the most compact and has the lowest power requirements in this class of device servers. Lynx DSS has 4 10/100 Mbit/s ports in addition to 2 ports which can be fitted with Gbit or 100 Mbit SFP transceivers. One of the two serial ports is configured for RS-232 the other one can be configured for RS-232 or RS-422/485.

Lynx DSS is designed for simple use in industrial applications, from the robust DIN rail clip solution to the configurable fault contact and the industrial level dual power inputs.

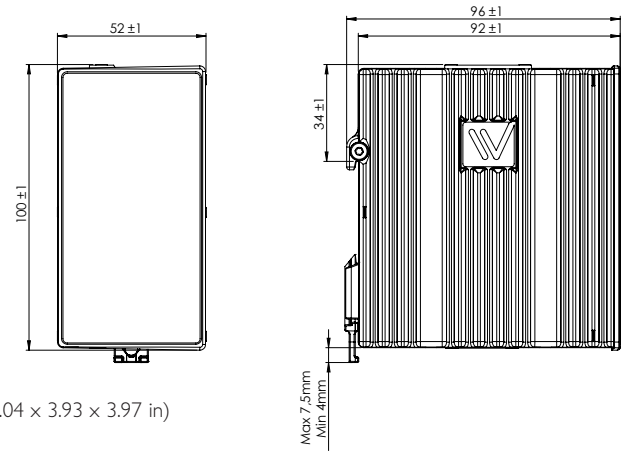
Only industrial grade components are used which gives the Lynx DSS an MTBF of 500.000 hours and ensures a long service life. A wide operating temperature range –40 to +70°C (–40 to +158°F) can be achieved with no moving parts or cooling holes in the case. Lynx DSS has been tested both by Westermo and external test houses to meet many EMC, isolation, vibration and shock standards, all to the highest levels suitable for heavy industrial environments and rail trackside application.

WeOS has been developed by Westermo to allow us to offer cross platform and future proof solutions. WeOS can deliver unique IP security functionality for this class of product, for instance a Multiport DMZ can be constructed by utilising the internal port based firewall function or Modbus Gateway support. Remote secure access to a network can be provided using encrypted VPNs. For more WeOS functionality please see the WeOS datasheet.

Ordering Information	
Art.no	**Description**
3643-0205	L208-F2G-S2
1211-2027	CLI Cable (Console) (Accessories)
1211-2210	RJ-45 to DB9 cable (Accessories)
3125-0001	PS-30, Power supply, DIN mounted (Accessories)

Specifications L208-F2G-S2

Dimensional drawing



Dimension W x H x D	52 x 100 x 101 mm (2.04 x 3.93 x 3.97 in)
Weight	0.7 kg
Degree of protection	IP 40

Power	
Operating voltage	19 to 60 VDC
Rated current	250 mA (380 mA) @ 24 VDC (with 500 mA USB load) 120 mA (188 mA) @ 48 VDC (with 500 mA USB load)

Interfaces	
Ethernet TX	4 x RJ-45, 10 Mbit/s, 100 Mbit/s,
Ethernet SFP pluggable connections (FX or TX)	2 x SFP, 100 Mbit/s or 1000 Mbit/s transceivers supported
2 Serial ports (One configurable for RS-232 or RS-422/485)	1 x RJ-45, RS-232: 50 bit/s – 115.2 kbit/s
	1 x RJ-45, RS-422/485: 50 bit/s – 2 Mbit/s
Digital I/O	1 x 4-position detachable screw terminal
USB	1 x USB 2.0 host interface
Console	1 x 2.5 mm jack, use only Westermo cable 1211-2027

Temperature	
Operating	–40 to +70°C (–40 to +158°F)
Storage & Transport	–50 to +85°C (–58 to +185°F)

Agency approvals and standards compliance	
EMC	EN 61000-6-1, Immunity residential environments
	EN 61000-6-2, Immunity industrial environments
	EN 61000-6-4, Emission industrial environments
	EN 55022 +A1, Emission IT equipment
	EN 55024, Immunity IT equipment
	FCC part 15 Class B
	EN 50121-4, Railway signalling and telecommunications apparatus
	IEC 62236-4, Railway signalling and telecommunications apparatus
Safety	UL/IEC/EN 60950-1, IT equipment
Marine	DNV Standard for Certification no. 2.4