Managed Ethernet Switch

L110-F2G

- Compact Industrial Ethernet switch design
  - Flexible SFP transceiver design
  - Advanced WeOS Layer 2 functionality
  - Low power consumption
- Designed for use in industrial applications
  - Dual 9.8 – 60 VDC power input
  - Highly configurable fault I/O contact
  - Robust metal DIN rail housing
- Robust for long service life
  - 630,000 hours MTBF to MIL-HDBK-217K
  - -40 up to +74°C (-40 to +165°F) with no moving parts
  - Industrial EMC, shock and vibration testing
- Unique future proof industrial networking solutions
  - 20 ms network ring recovery time
  - Fast reconnect for multicast protocols
  - Easy to use

EN 61000-6-1 Residential Immunity
EN 61000-6-2 Industrial Immunity
EN 61000-6-4 Industrial Emission
EN 50121-4 Railway Trackside
NEMA TS 2 Traffic Controller Assemblies with NTCIP Requirements

The Lynx 110 is a layer 2 industrial Ethernet switch, powered by the Westermo WeOS network operating system. Lynx is the most compact and has the lowest power requirements in this class of switch. Lynx has 8 10/100 Mbit/s ports in addition to 2 ports which can be fitted with Gbit or 100 Mbit SFP transceivers.

The Lynx is designed for simple use in industrial applications with its the robust DIN rail clip to the configurable fault contact and the industrial level dual power inputs.

Only industrial grade components are used which gives the Lynx an MTBF of 630,000 hours and ensures a long service life. A wide operating temperature range of -40 up to +74°C (-40 to +165°F) can be achieved with no moving parts or cooling holes in the case. Lynx 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.

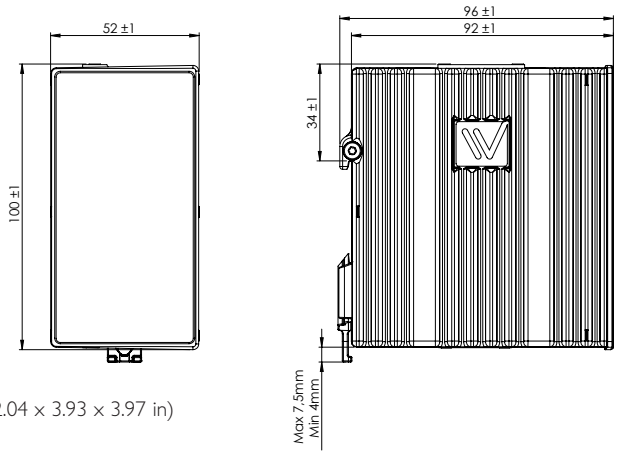
WeOS has been developed by Westermo to allow us to offer cross platform and future proof solutions. WeOS can deliver 20 ms ring recovery performance even for networks with video or EtherNet/IP traffic.

For more WeOS functionality please see the WeOS datasheet.

Ordering Information	
Art.no	**Description**
3643-0100	L110-F2G, Managed Ethernet Switch
3643-0110	L110-F2G-12VDC, Managed Ethernet Switch
1211-2027	CLI Cable (Console) (Accessories)
3125-0001	PS-30, Power supply, DIN mounted (Accessories)

Specifications L110-F2G

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	IP40

Power		
L110-F2G	Rated voltage	24 to 48 VDC
	Operating voltage	19 to 60 VDC
	Rated current	240 mA @ 24 VDC 120 mA @ 48 VDC
L110-F2G-12VDC	Rated voltage	12 to 48 VDC
	Operating voltage	9.8 to 60 VDC
	Rated current	420 mA @ 12 VDC 220 mA @ 24 VDC 115 mA @ 48 VDC

Interfaces	
Ethernet TX	8 x RJ-45, 10 Mbit/s, 100 Mbit/s,
Ethernet SFP pluggable connections (FX or TX)	2 x 100 Mbit/s or 1000 Mbit/s transceivers supported
Digital I/O	1 x 4-position detachable screw terminal
Console	1 x 1 x 2.5 mm jack, use Westermo cable 1211-2027

Temperature		
Operating	L110-F2G: L110-F2G-12VDC:	-40 to +70°C (-40 to +158°F) -40 to +74°C (-40 to +165°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 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 GL rules for classification – Ships and offshore units*
Environmental	NEMA TS 2, Traffic Controller Assemblies with NTCIP Requirements**

*Only L110-F2G
**Only L110-F2G-12VDC