

# Managed Device Server Switch

## L106-S2

- ⌘ Compact Device Server Switch for legacy application
  - Two serial ports RS-232 and RS-485
  - Advanced WeOS Layer 2 functionality
  - Low power consumption
- ⌘ Designed for use in industrial applications
  - Dual 19 – 60VDC power input
  - Highly configurable I/O contact
  - Robust metal DIN rail housing
- ⌘ Robust for long service life
  - 593,000 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



Lynx DSS is available in several versions, the L106-S2 is a device server with a layer 2 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 and two serial ports. One of the 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.

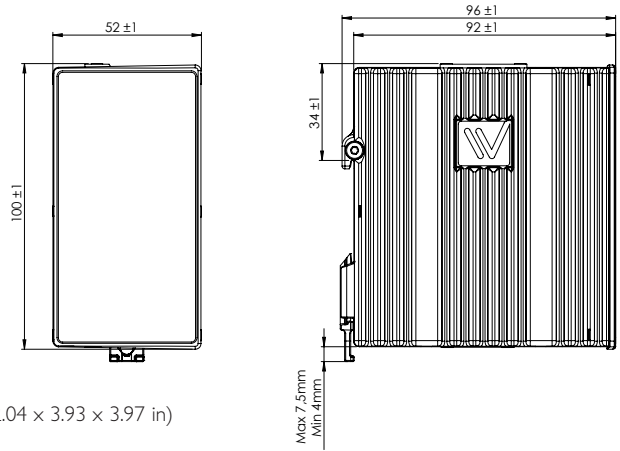
Only industrial grade components are used which gives the Lynx DSS an MTBF of 593,000 hours and ensures a long service life. A wide operating temperature range -40 to +70°C (-40 to +158°F) can be achieved with no moving parts or cooling holes in the case. Lynx DSS has been tested both by Westermo and 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 deliver unique functionality in legacy IP solutions, supporting Modbus Gateway, virtual COM, modem replacement or several options in dual TCP applications. For more WeOS functionality please see the WeOS datasheet.

Ordering Information	
Art.no	Description
3643-0220	L106-S2, Managed Device Server Switch
1211-2027	CLI Cable (Console) (Accessories)
1211-2210	RJ-45 to DB9 cable (Accessories)
3125-0001	PS-30, Power supply, DIN mounted (Accessories)

# Specifications L106-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	150 mA (300 mA) @ 24 VDC (with 500 mA USB load) 80 mA (150 mA) @ 48 VDC (with 500 mA USB load)

Interfaces	
Ethernet TX	4 x RJ-45, 10 Mbit/s, 100 Mbit/s,
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 61000-6-3, Emission residential 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