

# Managed Device Server Switch

## L105-S1

- ⌘ Compact Device Server Switch for legacy application
  - RS-232 serial port
  - 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
  - 677,000 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 L105-S1 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 one RS-232 port.

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.

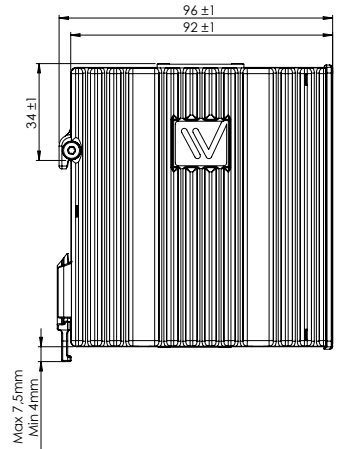
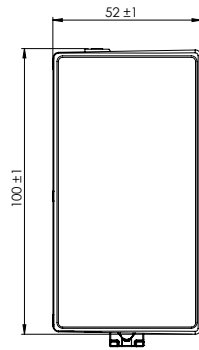
Only industrial grade components are used which gives the Lynx DSS an MTBF of 677,000 hours and ensures a long service life. A wide operating temperature range -40 to +70°C (-40 to +158°F) can be achieved with no moving parts or cooling holes in the case. Lynx DSS has been tested both by Westermo and 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                                    |
| 3643-0210            | L105-S1, 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 L105-S1

## 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             |   |
|-------------------|---|
| Operating voltage | 19 to 60 VDC  |
| Rated current     | 140 mA (290 mA) @ 24 VDC (with 500 mA USB load)<br>70 mA (140 mA) @ 48 VDC (with 500 mA USB load) |

| Interfaces     |  |
|----------------|--|
| Ethernet TX    | 4 x RJ-45, 10 Mbit/s, 100 Mbit/s                   |
| 1 Serial ports | 1 x RJ-45, RS-232, 50 bit/s – 115.2 kbit/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                                  |