

Managed Ethernet Switch with Routing Functionality

L210-F2G



- ⌘ Compact Industrial Ethernet switch design
 - Flexible SFP transceiver design
 - Advanced WeOS Layer 3 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
 - Simple web configuration with professional CLI
 - Network IP Security and remote access
 - Multiple network resilience solutions



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 NTCP Requirements

The Lynx 210 is a layer 3 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, 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 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.

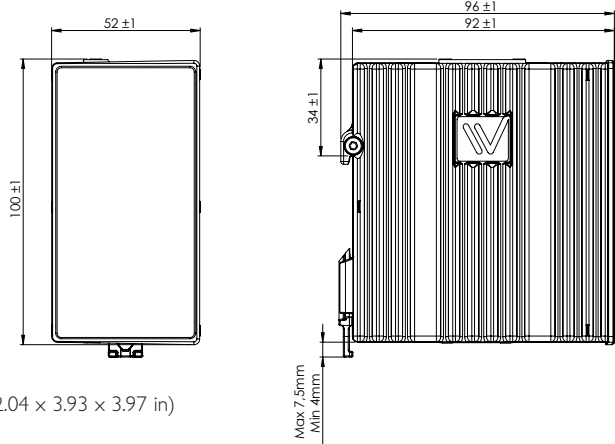
WeOS has been developed by Westermo to allow us to offer cross platform and future proof solutions. WeOS can deliver unique IP security functionality for this class of product, for instance a Multiport DMZ can be constructed by utilising the internal port based firewall function. Remote secure access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

Ordering Information

| Art.no | Description |
|-----------|--|
| 3643-0105 | L210-F2G, Managed Ethernet Switch with Routing Functionality |
| 3643-0115 | L210-F2G-12VDC, Managed Ethernet Switch with Routing Functionality |
| 1211-2027 | CLI Cable (Console) (Accessories) |
| 3125-0001 | PS-30, Power supply, DIN mounted (Accessories) |

Specifications L210-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

| | | |
|----------------|-------------------|---|
| L210-F2G | Rated voltage | 24 to 48 VDC |
| | Operating voltage | 19 to 60 VDC |
| | Rated current | 240 mA @ 24 VDC 120 mA @ 48 VDC |
| L210-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 | L210-F2G: | -40 to +70°C (-40 to +158°F) |
| | L210-F2G-12VDC: | -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 L210-F2G

**Only L210-F2G-12VDC