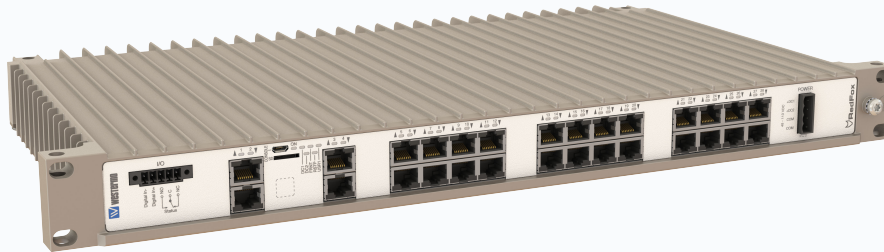# 19" Managed Ethernet Switch

RedFox-5528-T28G-LV

- **High performance and configurable**
  - 28 Gigabit ports
  - Powerful CPU and switch core
  - Advanced WeOS layer 2 functionality
- **Designed for demanding Edge Network applications**
  - Low power consumption DC power supply
  - Highly configurable fault I/O contact
  - Ultra-robust IP40 19" rack/wall mount housing

- **Robust and reliable for long service life**
  - 620,000 hours according to Telcordia
  - -40 to +74 °C without ventilation holes
  - Industrial and trackside type tested
- **Unique future proof industrial networking solutions**
  - Professional CLI and web configuration
  - Multiple network resilience solutions

CE   **c(UL)us LISTED**   **EN 50121-4** Railway Trackside   **EN 61000-6-1** Residential Immunity   **EN 61000-6-2** Industrial Immunity   **EN 61000-6-3** Residential Emission

EN 61000-6-4 Industrial Emission

The RedFox-5528 a high performance layer 2 industrial Ethernet switch designed for high network traffic applications. Various port configurations are available that can be further customised with SFP transceivers. RedFox-5528 is powered by WeOS, the Westermo network operating system.

RedFox-5528 is designed for 19'' cabinet according to the ETSI standard, which makes it suitable for use in control room networks as well as for cabinets installed along railway trackside installations. RedFox-5528 is designed to run efficiently from a DC power supply (not considered DC mains). The unit is also equipped with configurable I/O fault contact that makes it ideal for easy installations and monitoring in industrial applications.
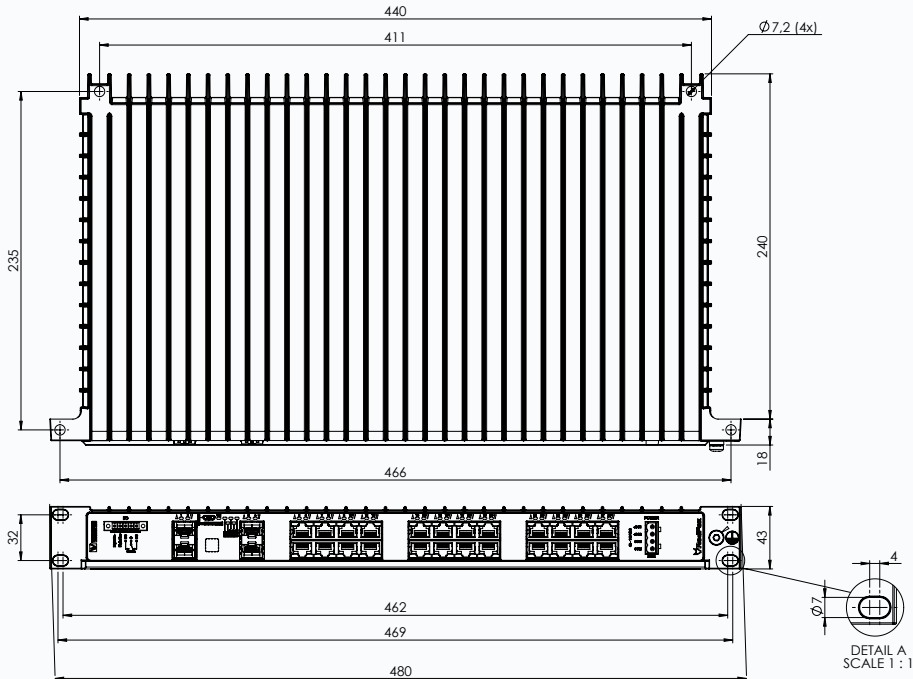
Only industrial grade components are used, which gives RedFox-5528 an MTBF of 620,000 hours (Telcordia) that ensures a long service life. A wide operating temperature range of -40 to +74°C (-40 to +165°F) can be achieved with no moving parts or cooling holes in the case. RedFox-5528 has been tested both by Westermo and external test labs to meet many standards regarding EMC, isolation, vibration and shock, all to the highest levels suitable for heavy industrial environments and rail trackside application.

WeOS has been developed to allow 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
3641-4500	RedFox-5528-T28G-LV, Managed Ethernet switch
3125-0050	PS-100, Power supply, DIN-mounted (Accessories)

Westermo® *Robust Industrial Data Communications – Made Easy*

Specifications - RedFox-5528-T28G-LV

Dimensional drawing

Technical data

Dimensions (W x H x D)	466 x 43 x 258 mm (18.35 x 0.12 x 10.16 inches)
Weight	3.8 kg
Rated voltage	24 to 48 VDC
Operating voltage	18 to 60 VDC
Rated current	1.10 A at 24 VDC 0.54 A at 48 VDC
Operating temperature	-40 to +74°C (-40 to +165°F)
Storage and transport temperatures	-50 to +85°C (-58 to +185°F)
Ingress protection	IP40
Console	Micro USB
Micro SD	Secure Digital 2.0
Digital I/O	1 x 5-ports detachable screw terminal
Ethernet	28 x 10/100/1000 Mbit/s, Ethernet TX, RJ-45

Type	Approval/Compliance
EMC	• EN 50121-4/IEC 62236-4, Railway signalling and telecommunications apparatus • EN/IEC 61000-6-1, Immunity residential environments • EN/IEC 61000-6-2, Immunity industrial environments • EN/IEC 61000-6-3, Emission residential environments • EN/IEC 61000-6-4, Emission industrial environments
Safety	• EN/IEC/UL 60950-1, IT equipment