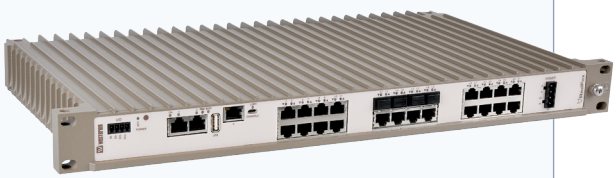
19” Managed Ethernet Switch

RFIR-127-F4G-T7G-AC

- High performance and configurable
  - 27 ports including 11 gigabit ports
  - Powerful dual core CPU
  - Advanced WeOS layer 2 functionality
- Designed for demanding Edge Network applications
  - Low power consumption AC power supply
  - Highly configurable fault I/O contact
  - Ultra-robust IP40 19” rack/wall-mount housing
- Robust and reliable for long service life
  - 120 000 hours MTBF to MIL-HDBK-217K
  - -40 to +55 °C without ventilation holes
  - Industrial and trackside type tested
- Unique future proof industrial networking solutions
  - Simple web configuration with professional CLI
  - Multiple network resilience solutions
  - Fast reconnect for multicast protocols



EN 50121-4 Railway Trackside | EN 55022 ITE Emission | EN 55024 ITE Immunity | EN 61000-6-1 Residential Immunity | EN 61000-6-2 Industrial Immunity | EN 61000-6-4 Industrial Emission

The RFIR (RedFox Industrial Rack) is 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. RFIR is powered by the Westermo WeOS network operating system.

RFIR is designed for 19” cabinets according to ETSI standard making it suitable for use in control room networks as well as for cabinets installed along railway trackside installations. RFIR is designed to run efficiently from a AC power supply, the unit is also equipped with configurable I/O fault contact that make it ideal for easy installation and monitoring in industrial applications.

Only industrial grade components are used which gives RFIR an MTBF of 120 000 hours that ensures a long service life. A wide operating temperature range -40 to +55 °C (-40 to +131 °F) can be achieved with no moving parts or cooling holes in the case. RFIR 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.

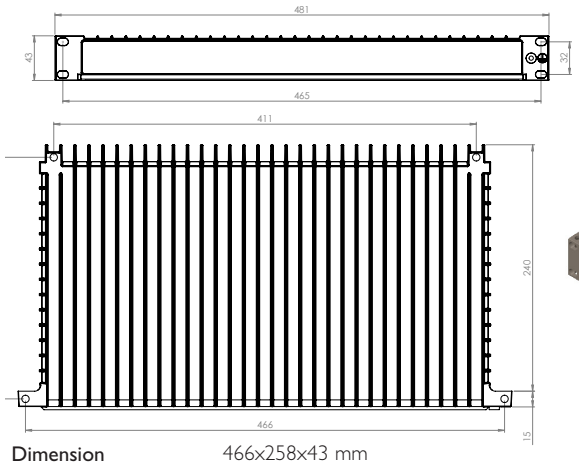
WeOS has been developed by Westermo to allow us to offer cross platform and future proof solutions. WeOS can deliver 20 ms ring recovery performance even for networks with video or EtherNet/IP traffic.

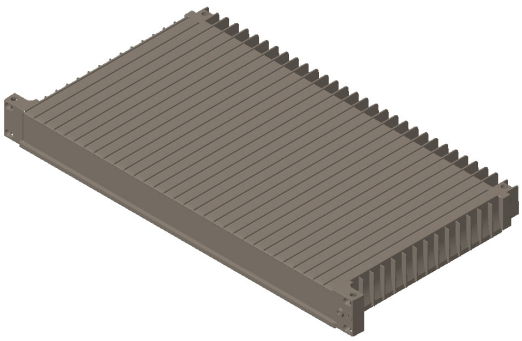
For more WeOS functionality, please see the WeOS datasheet.

Ordering Information	
Art.no	**Description**
3641-4030	RFIR-127-F4G-T7G-AC, Managed Ethernet switch

RFIR-127-F4G-T7G-AC

Dimensional drawing





Dimension	466x258x43 mm
Weight	3,8 kg
Degree of protection	IP40

Power	
Operating voltage	100 to 240 VAC 50 to 60 Hz
Rated current	380 mA @ 100 VAC 50 Hz 240 mA @ 240 VAC 60 Hz

Interfaces	
Console	1 x USB Micro-B connector
USB	1 x USB 2.0 host interface
Digital I/O	1 x 4-ports detachable screw terminal
Ethernet	7 x 10/100/1000 Mbit/s, Ethernet TX, RJ-45 4 x 100 or 1000 Mbit/s, pluggable connections, Ethernet FX or TX SFP 16 x 10/100 Mbit/s, Ethernet TX, RJ-45

Temperature	
Operating	-40 to +55 °C (-40 to +131 °F)
Storage & Transport	-40 to +85 °C (-40 to +185 °F)
Maximum surface temperature	135 °C (275 °F) (temperature class T4)

Agency approvals and standards compliance	
EMC	EN 50121-4, Railway applications - Electromagnetic compatibility - Emission and immunity of the signalling and telecommunications apparatus
	EN 55022, Information technology equipment - Radio disturbance characteristics - Limits and methods of measuremen
	EN 55024, Information technology equipment - Immunity characteristics - Limits and methods of measurement
	EN 61000-6-1, Electromagnetic compatibility - Immunity for residential, commercial and light-industrial environments
	EN 61000-6-2, Electromagnetic compatibility - Immunity for industrial environments
	EN 61000-6-4, Electromagnetic compatibility - Emission for industrial environments
	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