Industrial Routing Switch

RFI-18-F4G-T4G

- High performance and configurable
  - 8 Gbit/s ports
  - Flexible SFP transceiver design
  - Advanced WeOS layer 3 functionality
- Designed for use in harsh industrial applications
  - Dual 16 – 60 VDC power input
  - Highly configurable fault I/O contact
  - Robust aluminium housing
- Robust for long service life
  - 319,000 hours MTBF to MIL-HDBK-217K
  - –40 to +70°C (–40 to +158°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

CE FC Part 15 · c UL us LISTED · Ex · TYPE APPROVED PRODUCT DNV · Industrial IT enabled · EN 50121-4 Railway Trackside · EN 61000-6-2 Industrial Immunity · EN 61000-6-4 Industrial Emission

RedFox is a high performance layer 3 industrial Ethernet switch designed for high network traffic applications. Various port configurations are available that can be further customised with SFP transceivers RedFox is powered by the Westermo WeOS network operating system.

The RedFox is designed for use in heavy duty industrial applications in its robust aluminium housing. Its wide power range and I/O fault contact make it ideal for easy installation and monitoring in industrial applications.

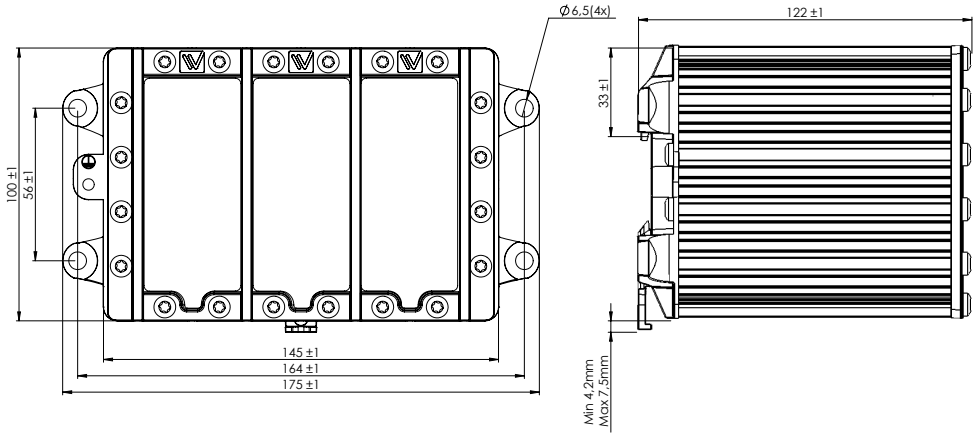
Only industrial grade components are used which gives the RedFox an MTBF of 319,000 hours and ensures a long service life. A wide operating temperature range –40 to +70°C (–40 to +158°F) can be achieved with no moving parts or cooling holes in the case. RedFox has been tested both by Westermo and external 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**
3641-3300	RFI-18-F4G-T4G, Industrial Routing Switch
1211-2027	CLI Cable (Console), (Accessories)
3125-0001	PS-30, Power supply, DIN mounted (Accessories)

Specifications RFI-18-F4G-T4G

Dimensional drawing



Dimension	175 x 100 x 122 mm (6.88 x 3.93 x 4.80 in)
Weight	2.2 kg
Degree of protection	IP 40

Power	
Operating voltage	16 to 60 VDC
Rated current	1346 mA @ 20 VDC

Interfaces	
Console	1 x 2.5 mm jack, use Westermo cable 1211-2027
USB	1 x USB 2.0 host interface
Digital I/O	1 x 4-ports detachable screw terminal
Ethernet TX	10 x RJ-45, 10 Mbit/s or 100 Mbit/s
Gigabit Ethernet TX	4 x RJ-45, 10, 100 or 1000 Mbit/s
Ethernet FSP	4 x SFP, 100 or 1000 Mbit/s*

* 100 or 1000 Mbit supported by fiber transceivers, 10, 100 or 1000 Mbit/s supported by copper transceiver.

Temperature	
Operating	–40 to +70°C (–40 to +158°F)
Storage & Transport	–50 to +85°C (–58 to +185°F)
Maximum surface temperature	135°C (275°F) (temperature class T4)

Agency approvals and standards compliance	
EMC	EN 55024, EN 55024 A1, EN 55024 A2, Electromagnetic compatibility – Immunity IT equipment
	EN 55022, EN 55022 A1, Information technology equipment. Radio disturbance characteristics. Limits and methods of measurement
	EN 61000-6-2, Electromagnetic compatibility – Immunity for industrial environments
	EN 61000-6-4, Electromagnetic compatibility – Emission for industrial environments
	EN 50121-4, Railway applications – Electromagnetic compatibility – Emission and immunity of the signalling and telecommunications apparatus
	FCC part 15 Class A
Safety	UL/IE C/EN 60950-1, IT equipment
ATEX	EN 60079-0 and EN 60079-15 (Ex nA II C T4 Gc)
Marine	DNV Standard for Certification no. 2.4