

Industrial Routing Switch

RFI-219-F4G-T7G-F8



- ⌘ High performance and configurable
 - 19 ports including 11 gigabit ports
 - Powerful dual core CPU
 - Advanced WeOS layer 3 functionality
- ⌘ Designed for demanding Edge Network applications
 - Low power consumption DC supply
 - Highly configurable fault I/O contact
 - Ultra-robust IP40 aluminum housing
- ⌘ Robust for long service life
 - 297,000 hours MTBF to MIL-HDBK-217K
 - -40 to +70°C without ventilation holes
 - Industrial and trackside type tested
- ⌘ Unique future proof industrial networking solutions
 - Simple web configuration with professional CLI
 - Network IP Security and remote access
 - Multiple network resilience solutions



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 61000-6-3
Residential Emission

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 297,000 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.

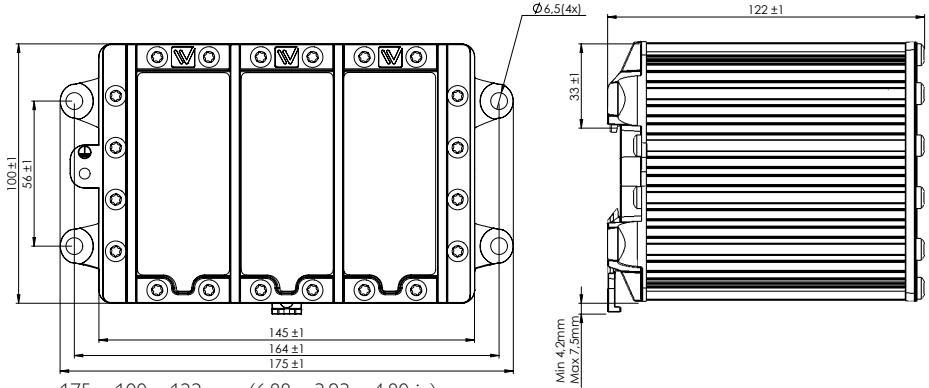
WeOS has been developed by Westermo to allow us to offer cross platform and future proof solutions. WeOS can deliver unique IP security functionality for this class of product, for instance a Multiport DMZ can be constructed by utilising the internal port based firewall function. Remote secure access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

Ordering Information

| Art.no | Description |
|-----------|--|
| 3641-4320 | RFI-219-F4G-T7G-F8, Industrial routing switch |
| 3125-0001 | PS-30, Power supply, DIN mounted (Accessories) |

Specifications RFI-219-F4G-T7G-F8

Dimensional drawing



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

Power

| | |
|-------------------|---|
| Operating voltage | 16 to 60 VDC |
| Rated current | 1.30 (1.47*) A @ 20VDC 0.52 (0.58*) A @ 48 VDC |

*With 500mA USB load

Interfaces

| | |
|-------------|---|
| Console | 1 × USB Micro-B connector |
| USB | 1 × USB 2.0 host interface |
| Digital I/O | 1 × 4-ports detachable screw terminal |
| Ethernet | 7 × 10/100/1000 Mbit/s, Gigabit Ethernet TX, RJ-45 4 × 100/1000 Mbit/s, pluggable connections transceivers supported, Ethernet FX or TX SFP. 8 × 100 Mbit/s, pluggable connections transceivers supported, Ethernet FX or TX SFP. |

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 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 measurement |
| | 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 61000-6-3, Electromagnetic compatibility – Emission standards for residential, commercial and light industrial environments |
| | EN 61000-6-4, Electromagnetic compatibility – Emission standard for industrial environments |
| | FCC part 15 Class A |
| Safety | UL/IEC/EN 60950-1, IT equipment |
| Marine | DNV Standard for Certification no. 2.4 |