



## TFortis PSW-2G+UPS-Box Managed Gigabit Switch

TFortis SW-2G+UPS-Box is a multifunction gigabit outdoor managed switch designed for the construction of IP video surveillance networks.

**Weatherproof design.** The switch enclosure is made of reinforced polycarbonate and is absolutely corrosion-resistant. The switch design and fiber glass reinforcement provide the maximum possible impact protection rating (IK10). Dust and moisture protection rating – IP66.

**Operation in extreme temperatures.** The switch is built based on industrial hardware with a wide range of operating temperatures. Application of industrial SFP modules ensures normal operation in the temperature range from minus 60°C to plus 50°C.



**High performance gigabit switch.** The key element of the switch is high performance chip from Marvell, which is able to process a large volume of traffic coming from the IP cameras.

**Unauthorized access control.** The switch enclosure has a tamper sensor (a sealed switch). Opening of the cabinet door will generate an alarm message to be sent to the server via SNMP or Syslog protocols.

**Integrated optical distribution frame.** The optical distribution frame allows for optical cable splicing inside the switch and connecting it to SFP modules.

### Technical specifications

#### Gigabit Ethernet Ports

1000Base-X with SFP connector;  
Number of ports - 2 pcs.;

#### Fast Ethernet Ports

10 / 100Base-Tx with RJ-45 connector;  
number of ports - 4 pcs .;  
Auto-MDIX support for 10 / 100Base-Tx port;  
support for IEEE 802.3x flow control;  
Support for PoE / PoE + (IEEE802.3af / at) up to 60W per port;  
total power should not exceed 160 W;  
transmission distance - up to 100 m.

#### Productivity

Switching Matrix: 4.8 Gb / s;  
Switching Speed: 9.83 Mpps;  
Table of MAC addresses: 8K;  
Packet Buffer: 1 Mbps;  
MTU: 1522 bytes.

#### Supply

voltage - ~ 230V (from 187 to 253 V);  
Max. power consumption no more than 320W.

#### Battery specifications

rated voltage 12 V  
capacity 12 A \* h  
dimensions of 151x98x95 mm;  
quantity - 2 pcs.

#### Design dimensions

500x400x410 mm  
weight without battery no more than 15 kg;  
weight with battery no more than 23 kg;  
degree of protection against external influences IP66;  
impact resistance class IK10  
cable entries - diameter 4-8 mm - 8 pcs. - diameter 6-12 mm - 5 pcs.

#### Reliability

MTBF of at least 75,000 hours (8.6 years).

# Features

## Weatherproof design

The switch enclosure is made of reinforced polycarbonate and is absolutely corrosion-resistant. The material and structure of the switch enclosure provide:

- 100% corrosion protection due to glass-filled polycarbonate
- IK10 impact protection rating due to fiber glass reinforcement
- Dust and moisture protection – IP66
- Fire resistance – UL94-5VA
- Electrical insulation – 1500VDC
- UV resistance – UL 508.

