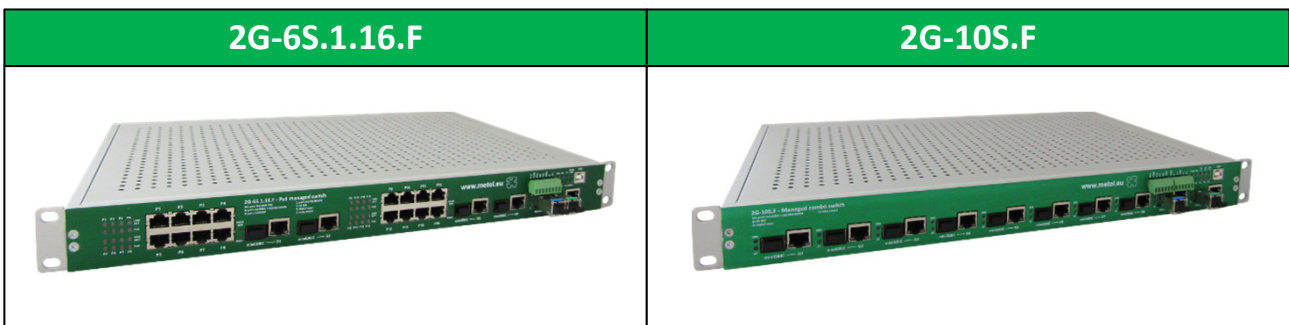
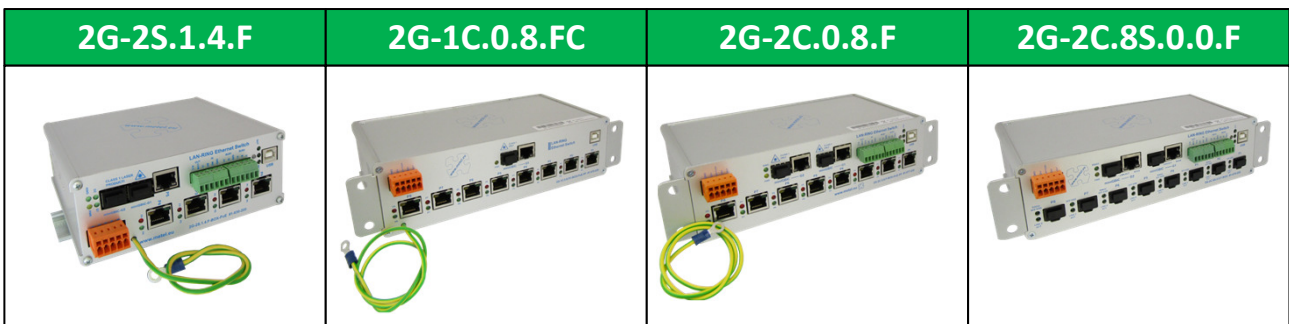
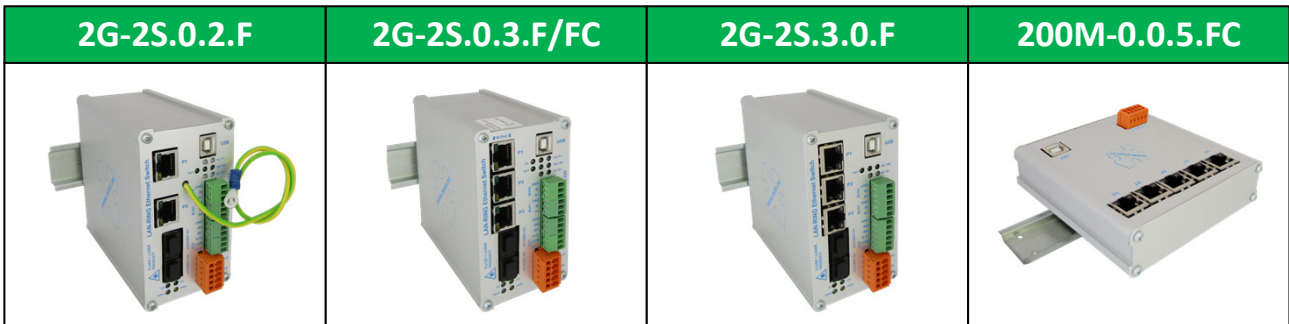


Switches from the 2G series are Layer 2 switches extended by functionality optimised for security & automation systems. Highly durable hardware fixed switches for applications in outdoor and industrial environments.

- ❖ A wide variety of models with COMBO, SFP, gigabit and fast ethernet ports
- ❖ Supports PoE up to 60W and double PD devices (PTZ cameras)
- ❖ Serial buses RS485 / RS422 / Modbus for security & automation systems
- ❖ Digital and alarm inputs: PIR sensors , tampers and other hardware connections
- ❖ Programmable relay outputs
- ❖ Two independent power sources including + or – polarity
- ❖ Supports of redundant RING topology with 30ms reconfiguration
- ❖ Event management: HTTP / ONVIF client, E-mail, IP Watchdogs, ETH events, TCP, MIOS BUS, MODBUS RTU/TCP, DIO, balanced loops
- ❖ Supports of visualization software
- ❖ Encrypted management over LAN and local USB
- ❖ Supports IEEE 802.1Q/p VLAN, IEEE 802.1w RSTP, IEEE 802.1X Port Access Authentication
- ❖ Overvoltage protections of up to 1000A (8/20µs)
- ❖ Boot time lower than 15s
- ❖ Operating temperatures from -40°C to +70°C



## LAN-RING = Industrial Switch +

### Serial Buses over Ethernet

Serial buses allow you to connect 3rd party systems such as alarm panels and PLCs including MODBUS TCP/RTU devices.

### Digital and Alarm Inputs

Inputs can be connected for e.g. tampers, buttons or sensors and process their statuses locally or externally via SNMP or MODBUS protocols.

### Programmable Relays

Relay outputs are freely programmable. The output state is accessible via SNMP and MODBUS protocols.

### Custom Versions

METEL is able to customize our switches in accordance with your requirements.



### IP Watchdogs

Switches have integrated IP Watchdogs. In case of problems IP Watchdogs can automatically restart the camera or other IP device. Other uses include protection from thieves.

### Overvoltage Protections

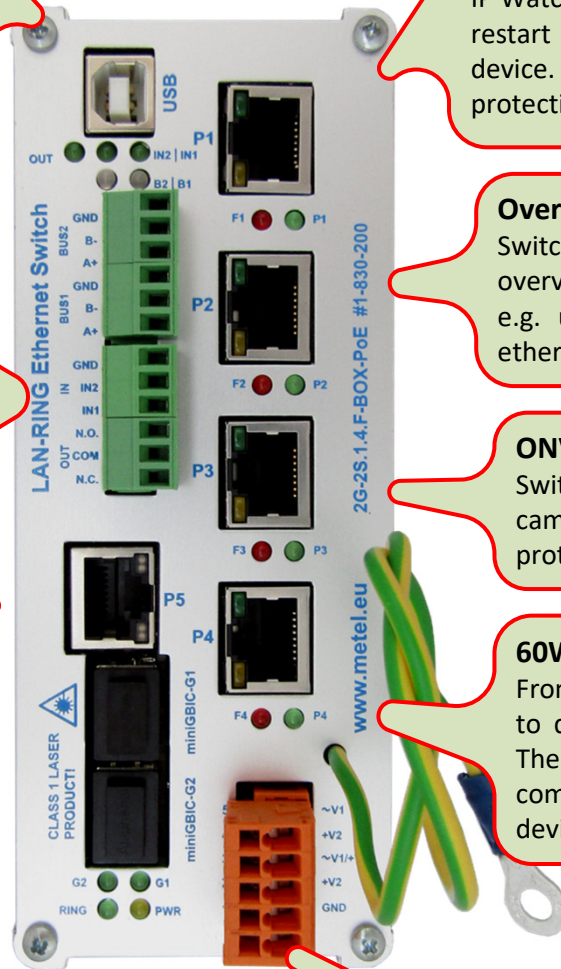
Switches include high overvoltage resistance for e.g. up to 1000 A on fast ethernet ports.

### ONVIF Support

Switches are able to control cameras via ONVIF Profile S protocol.

### 60W PoE

From one port it is possible to deliver up to 60W PoE. The ports are also compatible with double PD devices.



### Linux Based G Generation

As we continue to move forward, we will soon be introducing switches with Linux OS included will be PLC functions, EN 60870-5-104 and IEC 61131-3 protocols.

