

# ROQSTAR Managed Gigabit Switch

## 16 Ports / M12

Product number 006-130-124



### Features & Applications

- 10/100/1000 Mbit/s
- NAT
- Auto deployment
- OpenAPI
- Web interface
- Gigabit backbone networks
- Redundant ring topologies
- Backbone for CCTV
- Backbone for passenger Wi-Fi
- Backbone for contactless payment systems
- Backbone for passenger counting systems



## Technical Specifications

### Connectors

|                                 |                      |
|---------------------------------|----------------------|
| M12 x-coded Gigabit ports       | 4 x 10/100/1000 Mbps |
| M12 d-coded Fast Ethernet ports | 12 x 10/100 Mbps     |
| M12 a-coded male                | 1 x power supply     |
| M12 a-coded female              | 1 x USB port         |

### Physical

|                        |                            |
|------------------------|----------------------------|
| Enclosure              | Aluminium, die-cast        |
| Protection class       | IP54                       |
| Installation           | Wall mount/any orientation |
| Dimensions (W x D x H) | 217 x 60 x 120 mm          |
| Weight                 | 800 g                      |

### Environment

|                               |                            |
|-------------------------------|----------------------------|
| Ambient temperature operating | -40°C ... +70°C            |
| Ambient temperature storage   | -40°C ... +85°C            |
| Ambient humidity              | 10% ... 90% non condensing |
| Shock and vibration           | EN50155, IEC 61373         |

### LED display

|                             |                      |
|-----------------------------|----------------------|
| System LEDs                 | PWR, ERR, MOD, CFG   |
| LEDs Gigabit Ethernet ports | Link/activity, speed |
| LEDs Fast Ethernet ports    | Link/activity        |

### Power

|                    |                                |
|--------------------|--------------------------------|
| Power consumption  | 8W at 24 VDC                   |
| Operating voltage  | 9,6 ... 60 VDC                 |
| Power supply input | V1,V2 dual, polarity protected |

### Approvals

|                        |                           |
|------------------------|---------------------------|
| E-Mark EMC             | EN50121-3-2, UN ECE R10   |
| Environment            | EN50155                   |
| E-Mark fire protection | EN45545, UN ECE R118      |
| IBIS-IP                | Compliant                 |
| ITxPT                  | Laboratory test compliant |

### MTBF

|      |             |
|------|-------------|
| 25°C | 700 786 hrs |
| 60°C | 258 969 hrs |

### Layer 2 features

|                     |                                      |
|---------------------|--------------------------------------|
| L2 MAC address      | 16k                                  |
| VLAN                | 802.1Q (tagged VLANs)                |
| VLAN groups         | 64 (VLAN ID 1 - 4094)                |
| Port mirroring      | Multiple sources, single destination |
| Storm protection    | Broadcast, configurable: off, 1Mbps  |
| Redundancy protocol | IEEE802.1w - RSTP                    |

### Management

|          |   |
|----------|---|
| DHCP     | Server: one per VLAN (pool, port based, static leases);<br>Client: one per VLAN;<br>Relay |
| Access   | Http, https, OpenAPI, SNMP v1/v2/v3, web interface  |
| USB port | Firmware update, configuration upload and download, IP and factory reset                  |

### Bypass relay

|                 |           |
|-----------------|-----------|
| 2 Gigabit ports | G2 and G3 |
|-----------------|-----------|

### Layer 3 features

|         |              |
|---------|--------------|
| NAT/PAT | 1:1 NAT, PAT |
|---------|--------------|

### Diagnostics

|                |                           |
|----------------|---------------------------|
| Ethernet ports | Link up/down, counter     |
| Logging        | Link, RSTP, DHCP, system  |
| ITxPT          | Module Inventory, xStatus |
| Remote Syslog  | Client                    |
| SNMP           | Traps                     |

## Drawings

