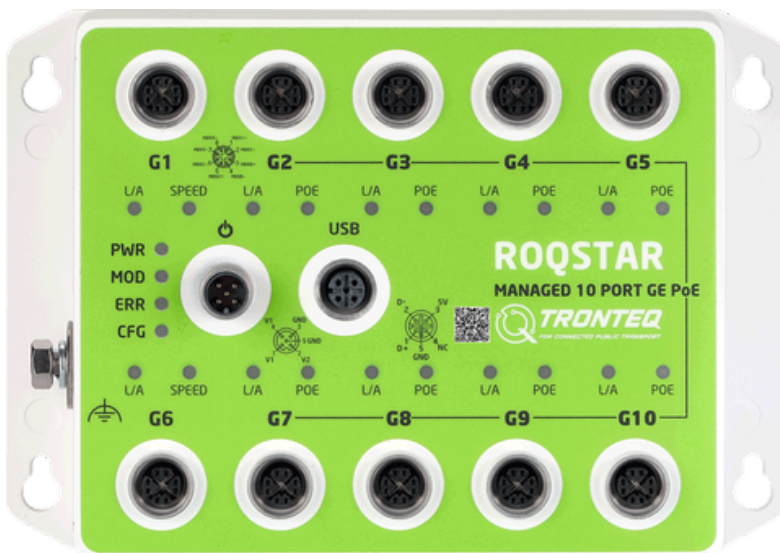


# ROQSTAR Managed Gigabit PoE Switch

## 10 Ports / M12

Product number 006-130-133



### Features & Applications

- 10/100/1000 Mbit/s
- PoE budget 80W, supply 24V, galvanically isolated
- NAT
- Auto Deployment
- OpenAPI
- Webinterface
- 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 inner push pull | IEC 61076-2-010       |
| M12 X-coded Ethernet ports  | 10 x 10/100/1000 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) | 175 x 52 x 121 mm          |
| Weight                 | 780 g                      |

### Environment

|                               |                            |
|-------------------------------|----------------------------|
| Ambient temperature operating | -40°C ... +70°C            |
| Ambient temperature storage   | -40°C ... +85°C            |
| Ambient humidity              | 10% ... 95% non condensing |
| Shock and vibration           | EN50155, IEC 61373         |

### LED display

|                             |                      |
|-----------------------------|----------------------|
| System LEDs                 | PWR, ERR, MOD, CFG   |
| LEDs Gigabit Ethernet ports | Link/Activity, Speed |
| LEDs Gigabit PoE ports      | Link/Activity, PoE   |

### Power non PoE

|                       |                                |
|-----------------------|--------------------------------|
| Power consumption     | 5W at 24 VDC                   |
| Power supply input    | V1,V2 dual, polarity protected |
| Power supply immunity | 10ms including PoE             |
| Ignition power sleep  | V2, time configurable          |

### MTBF

|      |             |
|------|-------------|
| 25°C | 729 604 hrs |
| 60°C | 273 505 hrs |

### Approvals

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

### PoE Features

|                         |                                 |
|-------------------------|---------------------------------|
| PoE/PoE+ ports          | 8                               |
| Operating voltage       | 16...52 VDC, polarity protected |
| Rated PoE power         | 80W total                       |
| Max. PoE power one port | 30W                             |
| PoE classes             | PoE Class 0, 1, 2, 3, 4         |
| Current limits          | Configurable per port           |

### 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<br>http, https, OpenAPI, SNMP v1/v2/v3, web interface |
| Access   | Firmware update, configuration upload and download, IP and factory reset  |
| USB port |   |

### Layer 3 features

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

### Diagnostics

|                |                                |
|----------------|--------------------------------|
| Ethernet ports | Link up/down, counter          |
| Logging        | Link, RSTP, DHCP, system, PoE  |
| PoE            | On/off, allocated power budget |
| ITxPT          | Module Inventory, xStatus      |
| Remote Syslog  | Client                         |
| SNMP           | Traps                          |

## Drawings

