

# ROQSTAR Managed Gigabit PoE Switch

## 10 Ports / M12

Product number 006-130-118



### Features & Applications

- 10/100/1000 Mbit/s
- PoE budget 80W, supply 24V, galvanically isolated
- 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	2 x 10/100/1000 Mbps
M12 d-coded Fast Ethernet ports	8 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)	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% ... 90% non condensing

### LED display

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

### Power non PoE

Power consumption	5W at 24 VDC
Operating voltage	9,6 ... 60 VDC
Power supply input	V1,V2 dual, polarity protected

### MTBF

25°C	729 604 hrs
60°C	273 505 hrs

### Approvals

E-Mark	UNECE R10, UNECE R118
Rail	EN50155, EN45545
Environment	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); Client: one per VLAN; Relay
Access	http, https, OpenAPI, SNMP v1/v2/v3, web interface
USB port	Firmware update, configuration upload and download, IP and factory reset

### Layer 3 features

NAT/PAT	1:1 NAT, PAT
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### 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

