

# ROQSTAR Managed Gigabit PoE Switch

## 16 Ports / M12 / Push-Pull

Product number 006-130-127



### Features & Applications

- 10/100/1000 Mbit/s
- PoE budget 96W, 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	4 x 10/100/1000 Mbps
M12 d-coded Fast Ethernet ports	12 x 10/100 Mbps
M12 L-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	1300 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 PoE ports	Link/activity, PoE status

### Power non PoE

Power consumption	8W at 24 VDC
Operating voltage	9,6 ... 60 VDC
Power supply input	V1,V2 dual, polarity protected
Power supply immunity	10 ms including PoE

### MTBF

25°C	552 587 hrs
60°C	204 731 hrs

### 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

### PoE Features

PoE/PoE+ ports	8
Operating voltage	16...52 VDC, polarity protected
Rated PoE power	96 W total
Max. PoE power one port	30 W
PoE classes	PoE Class 0, 1, 2, 3, 4
Current limits	per port

### Bypass relay

2 Gigabit ports	G2 and G3
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### 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

