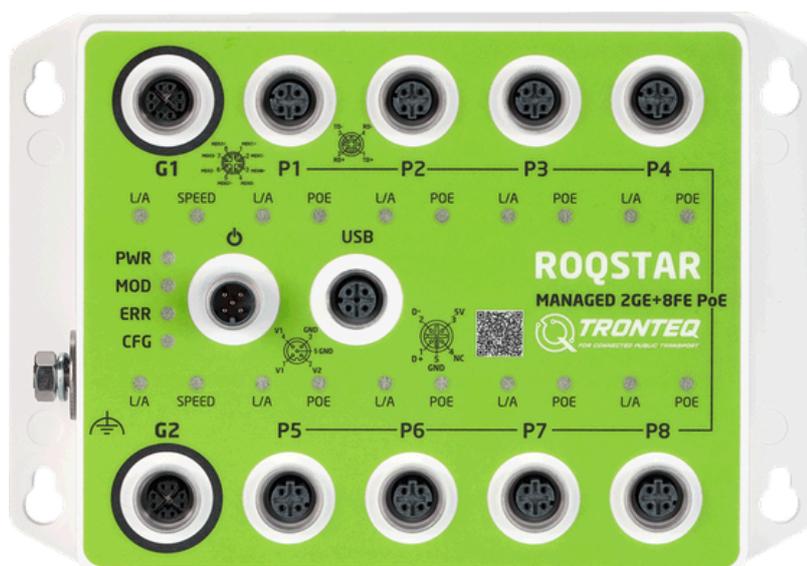# ROQSTAR Managed Gigabit PoE Switch
10 Ports / M12

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

Made in Germany

IT / PT

E1

EN50155

Technical Specifications

Connectors

M12 X-, D-coded inner push pull	IEC 61076-2-010
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% ... 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 Fast Ethernet 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); 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

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