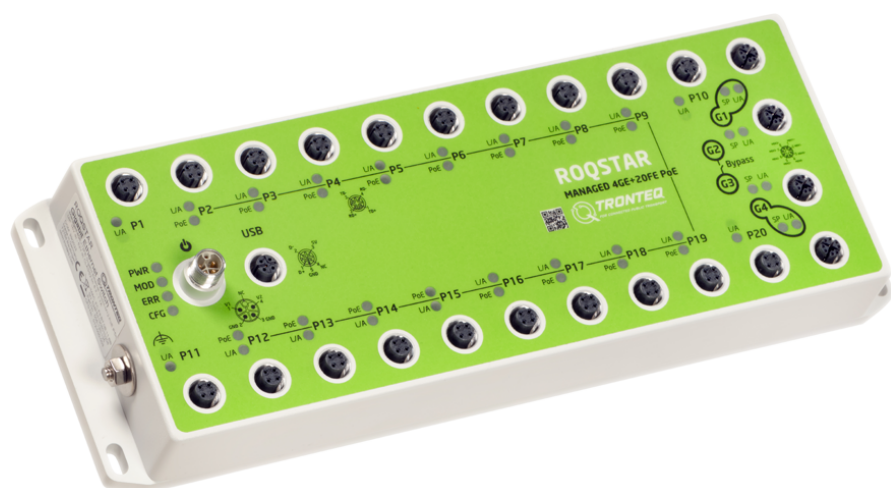


ROQSTAR Managed Gigabit PoE Switch

24 Ports / M12

Product number 006-130-140



Features & Applications

- 4 x 10/100/1000 Mbit/s ports
- 20 x 10/100 Mbit/s ports
- PoE budget 192W, supply 24V, galvanically isolated
- Auto configuration deployment
- OpenAPI
- NAT
- Web interface
- Gigabit backbone networks
- Redundant ring topologies
- Backbone for CCTV, WiFi
- Backbone for contactless payment systems
- Backbone for passenger counting systems



Technical Specifications

Connectors

M12 x-coded GE ports	4 x 10/100/1000 Mbps
M12 d-coded FE ports	20 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)	332 x 59 x 120 mm
Weight	1700g

Environment

Operating temperature	-40°C ... +70°C
Storage temperature	-40°C ... +85°C
Ambient relative humidity	10% ... 90% non condensing
Shock and vibration	EN50155, IEC 61373

LED display

System LEDs	PWR, ERR, MOD, CFG
Port LEDs GE	Link/activity, speed
Port LED FE PoE	Link/activity, PoE status

Power non PoE

Power consumption	12W at 24 VDC
Operating voltage	9,6 ... 60 VDC
Power supply input	V1,V2 dual, polarity protected
Power supply immunity	10 ms including PoE
Ignition power sleep	V2, time configurable

MTBF

25°C	666 876 h
60°C	218 476 h

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

Number PoE/PoE+ ports	16
Operating voltage	16...52 VDC, polarity protected
Rated PoE power	192 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, factory reset
Multicasts	L2 static, configurable

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

