

ROQSTAR Managed Ethernet Switch

8 Ports / M12

Product number 006-130-120



Features & Applications

- 8 x 10/100 Mbit/s
- Auto deployment
- OPEN API
- Network segmentation VLANs
- ITxPT and VDV 301 compliant
- Shared network architecture
- Passenger counting systems
- Real-time passenger information
- Ticketing and payment systems



Technical Specifications

Connectors

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	500 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 ports	Link/activity

Power

Power consumption	5W at 24 VDC
Operating voltage	16 ... 60 VDC
Power supply input	V1,V2 dual, polarity protected

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

MTBF

25°C	901 789 hrs
60°C	337 103 hrs

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
ITxPT	Module Inventory, xStatus
Remote Syslog	Client
SNMP	Traps

Drawings

