● Model: HOP3412S126-2TP

OverView:

Houper's Smart Industrial Ethernet Switch HOP3412S126-2TP is an innovative and independent product for industrial networking. We define it as the LITE model, designed specifically for small industrial networks and highly cost-effective. In addition to adopting industry-leading technical standards, this product can guarantee reliable and reliable Ethernet transmissions.

Product Features:

A compact, all-aluminium case with a fanless design.

The temperature from -40 to 75°C maintains performance in extreme conditions

DIP Switch supports RSTP/VLAN/SPEED.

Support IEEE 802.3af/at/bt PoE standards without damaging non-PoE devices.

Provide 9K bytes Jumbo frame that is compatible with multiple extension protocols

Facility IEEE802.3az energy-efficient Ethernet

Complete with electricity surge protection, easy to use in an outdoor environment

Detailed status indicator, working state at a glance

Design for power input polarity protection

Either DIN rail or Wall Mount Installation

An easy-to-use WebGUI interface

Ethernet Interface:

Model:

● HOP3412S126-2TP

Ports:

● 4x10/100/1000Base-TX RJ45 ports+2x100/1000Base-X SFP ports

Port Mode(Tx) :

● Auto-Negotiation Speed

● Full/Half Duplex Mode

● Auto MDI/MDI-X Connection

Standards:

● IEEE 802.3 for 10BaseT

● IEEE 802.3u for 100BaseT(X) and 100BaseFX

● IEEE 802.3ab for 1000BaseT(X)

● IEEE 802.3z for 1000BaseSX/LX/LHX/ZX

● IEEE 802.3x for flow control

● IEEE 802.1D-2004 for Spanning Tree Protocol

● IEEE 802.1w for Rapid Spanning Tree Protocol

● IEEE 802.1p for Class of Service

● IEEE 802.1Q for VLAN Tagging

Packet Buffer Size:

● 2M

Maximum Packet Length:

● Up to 9K

MAC Address Table :

● 4K

Transmission Mode:

● Store and Forward (full/half duplex mode)

● Exchange Property:

Delay time:

● < 7μs

● Backplane bandwidth: 20Gbps

IGMP Group:

● 256

VLAN ID Range:

● VID 1 to 4094

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Power Supply:

PoE Ports:
● Port 1 to 4 IEEE802.3af/at @PoE+
Power Supply Pin:
● Default: 1/2(+), 3/6(-)
Max Power Per Port:
● 30W
Total PWR /Input Voltage:
● 120W(DC48-56V) (Model dependent)
Power Consumption:
● 3 Watts Max(without PoE load)
Power Inputs:
● 2
Input Voltage:
● 9-56VDC,Redundant dual inputs
Operating Voltage:
● 30W PoE Mode: 48-56VDC
Connector:
● 1 removable 6-contact terminal blocks Pin 1/2 for Power 1, Pin 3/4 for Power 2, Pin 5/6 for fault alarm
Protection:
● Overload Current Protection, Reverse Polarity Protection

Software Features:

Redundancy Protocol:
● Support STP/RSTP
Multicast Support:
● Support IGMP Snooping V1
VLAN:
● Support IEEE 802.1Q 4K VLAN, Port Isolation, Trunk Group Setting
QOS:
● Support Port, 1Q, ACL, DSCP, CVLAN, SVLAN, DA, SA, Port Priority, Queue Weight
Diagnostic Maintenance:
● Support port mirroring, Port Statistics, Cable Diagnostic
Management Function:
● WEB、SNMPv1, EEE, Green Ethernet

Security:
● Broadcast/Multicast Storm Protection, MAC filtering, MAC Constraint
PoE Management(PoE Model):
● PoE Mode, State and Power Monitoring
Advance Functions:
● Bandwidth Control(Ingress and Egress Rate), Jumbo Frame, Firmware Online Upgrade,Configuration Backup

Physical Characteristics:

Housing:
● Aluminum case
IP Rating:
● IP40
Dimensions:
● 120mm x 90mm x 35mm (L x W x H)
Installation:
● DIN Rail/Wall Mount
Weight:
● 350g

Environmental:

Operating Temperature:
● -40℃ to 75℃
Operating Humidity:
● 5%~90% (non-condensing)
Storage Temperature:
● -40℃~85℃
MTBF:
● 907,476 hours @ Telcordia SR-332 Standard
Heat Dissipation:
● 34 BTU/h (Non-PoE Mode)   1262 BTU/h (with 360W PoE Load)
Cooling:
● Passive Cooling, Fanless Design
Noise:
● Level 0 dBA