

**OverView:**

Houper's Smart Industrial Ethernet Switch HOP3412S1210-2TN 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.

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, QueueWeight

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

Advance Functions: Bandwidth Control(Ingress and Egress Rate), Jumbo Frame, Firmware Online Upgrade, Configuration Backup

Physical Characteristics:

Housing: Aluminium case

IP Rating: IP40

Dimensions: 138mm x 108mm x 49mm (L x W x H)

Installation: DIN Rail/Wall Mount

Weight: 680G

Ethernet Interface:

Model: HOP3412S1210-2TN

Ports:

● 8×10/100/1000Base-TX RJ45 ports+2×100/1000Base-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: 20G

IGMP Group: 256

VLAN ID Range: VID 1 to 4094

Environmental:

Operating Temperature:

● -40 to 75°C

Operating Humidity:

● 5%~95% (non-condensing)

Storage Temperature:

● -40°C~85°C

MTBF:

● 907,476 hours @ Telcordia SR-332 Standard

Heat Dissipation:

● 34 BTU/h

Cooling: Passive Cooling, Fanless Design

Noise Level: 0 dBA