

HES-3106SFP-F2 Managed Switch



4 ports 10/100/1000Mbps + 2 ports 1000Mbps
Optical Uplink Managed Switch

Features

- **Easy to Install and Use**
With MDI/MDIX auto crossover and 10/100/1000 Mbps auto-negotiation support, If network device is connected to this switch, it never needs to crossover the RJ45 cable and adjusts running at 10Mbps, 100Mbps and 1000Mbps speed.
- **DHCP Auto Provision**
Provide either DHCP auto provision to fulfill the choice of deployment scale and reduce the OPEX of device maintenance for service providers or operators.
- **Power Down Trap**
Built-in CTS unique SNMP power down trap function to rapidly identify network fault due to power outage and reduce truck rolls to save OPEX for operators or service providers.
- **Support fiber cable tray**
Save extra cost of buying a separate cable tray as well as save installation space.
- **Support IPv4/IPv6 Dual Stack Feature**
With IPv6 feature, provides services and operators an ideal internet traffic, such as stateless address configuration (SLAAC) and with larger address space leads to more simplifying internet protocol

Target Applications

- Compact size switch which requires network management for FTTX service deployment.

Description

Connection Technology System (CTS) HES-3106SFP-F2 series is the Gigabit Ethernet 10/100/1000Base-T to 1000Base-X switch. It switches the traditionally twisted-pair RJ-45 cable into various fiber optics media included multi-mode, single-mode, bi-directional WDM fiber transceiver. The fiber optics port of HES-3106SFP-F2 can support connection distance from 550m to 20 Km or even reach 120 Km via multi-mode fiber, single mode fiber or Bi-directional single mode fiber for the deployment to the household, apartment or campus.

The HES-3106SFP-F2 series switch is fully compliant with IEEE 802.3/802.3u/802.3ab/802.3z standards. The user can connect another switch or NIC through HES-3106SFP-F2 series switch into 10/100/1000Base-T twisted-pair RJ45 port without crossover cables and monitor the status through comprehensive LED display.

The HES-3106SFP-F2 series switch can be easily managed by Web interface, telnet CLI, SNMP. To fulfill the requirement of mass deployment, the device also supports the auto provisioning mechanism to allow the operators or service providers managing the device configuration automatically and dynamically. Consequently, it can significantly help saving the OPEX (operational cost) for the operators or service providers. With CTS unique power down trap feature, HES-3106SFP-F2 is able to send out a SNMP trap message when encountering power outage.

Specification

Interface

- 10/100/1000Base-T RJ-45 x 4
- 1000Base-X Optical Port x 2

Standards

- IEEE 802.3 10Base-T
- IEEE 802.3u 100Base-TX/FX
- IEEE 802.3ab 1000Base-T
- IEEE 802.3z 1000Base-X
- IEEE 802.1p Priority
- IEEE 802.1q Tag VLAN
- IEEE 802.1d STP
- IEEE 802.1w RSTP
- IEEE 802.3x Flow Control
- IEEE 802.3ad Link Aggregation(Static)

H/W Specification

- Store and forward switching mechanism
- Auto Crossover for MDI/MDI-X in TP port
- Auto Negotiation in TP port
- Half/Full Duplex Mode Operation
- Jumbo frame up to: 9K bytes
- MAC Address Table: 2K
- VLAN ID: 4K
- Priority Queues: 4 Queues

Forward / Filter Rate

- 10M: 14,880/14,880pps
- 100M: 148,800/148,800pps
- 1000M:1,488,000/1,488,000pps

LED

- Power, Status, Port 1-6 Link/ACT

Switch Feature

- IPv4/IPv6 Dual Stack
- Stateless Address Autoconfiguration (SLAAC)
- Port based VLAN
- Port Trunking
- IEEE 802.1Q tag based VLAN
- IEEE 802.1W RSTP
- Priority queues: 4
- QoS based P-bit, VLAN & DSCP
- IGMP snooping v1/v2
- Bandwidth control

Network Management

- Web management
- Telnet CLI
- SSH
- SNMP Management
- Support SNMP v1/v2c
- DHCP client
- DHCP auto provision
- Power down trap
- FTP/TFTP firmware upgrade
- Network time protocol (NTP)

Power Requirement

- Power Adaptor
- AC Input: 100VAC~240VAC
- Frequency Range: 50~60Hz
- DC Output: 12V
- Power Consumption:
- AC side: 8.1 W(MAX.)
- DC side: 6.4 W(MAX.)

Environmental Condition

- Operation: 0° ~ 50°C
- Storage Temperature: -20° ~ 60°C
- Humidity: 5% ~ 90%, non-condensing

Dimension & Weight

- HES-3106SFP-F2 Main unit:
- Size: 180x 130 x 30 (WxDxH)
- Weight: 0.32Kg

EMC/Safety

- FCC Class A, CE*

*For further reports, please contact us for update.

Order Information

HES-3106SFP-F2

Model	Fiber port					TP port			Power Type
	Speed	Type	Connector	Distance	Port	Speed	Ports	PoE	
HES-3106SFP-F2	1000M	SFP	-	-	2	10/100/1000M	4	-	External power adaptor