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HiOSO Technology Co., Ltd.

# HiOSO Industrial Ethernet Switches

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## FOWAY2205T 100M Industrial Ethernet Switch



### Overview

HiOSO FOWAY2205T includes managed and unmanaged types, is five ports Industrial Ethernet Switch, with 4 100M RJ45 ports and 1 100M RJ45 uplink port. Supports Web management and SNMP management, supports to transmit HD video flow; applies to Security system, electronic power system and traffic system requirements.

### Character

- ℓ Support maximum 4 100M RJ45 ports and 1 100M RJ45 uplink port
- ℓ Support each 100M port full rate, full-duplex non-blocking forwarding
- ℓ Support Web and SNMP management
- ℓ Support 2K MAC learning, 1Mbit storage and forward cache space
- ℓ Each RJ45 port using anti-high voltage circuit, strengthen the lightning protection and anti-interference ability
- ℓ Support to choose one side with fixed metal casing, external power design, better for heat dissipating and installation

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### Technical Specification

Parameter	Specification
Standard	IEEE802.3 10Base-T Ethernet, IEEE802.3u 100Base-TX/FX Fast Ethernet, IEEE802.3x flow control IEEE802.1q VLAN, IEEE802.1p QoS, IEEE802.1d Spanning Tree
Distance	RJ45 port: 100m
Port	4 100M RJ45 ports: 100Mbps 1 100M RJ45 uplink port: 100Mbps
MAC address	2K
Buffer memory space	1Mbit
Bit error rate	<1/1000000000
MTBF	100000 hours
Power	DC12V/1A
Power consumption	2W
Working temperature	-10~60°C or -40~75°C
Storage temperature	-40~80°C
Humidity	5%~90% non-condensing
Dimension	26mm (H)×140mm(W)×106mm (D)

### Order Information

NO	Type	Management	Ports	Working temperature
1	FOWAY2205T	NO	4 100M RJ45 ports +1 100M RJ45 uplink port	-10~60°C
2	FOWAY2205TM	YES	4 100M RJ45 ports +1 100M RJ45 uplink port	-10~60°C
3	FOWAY2205T-T	NO	4 100M RJ45 ports +1 100M RJ45 uplink port	-40~75°C
4	FOWAY2205TM-T	YES	4 100M RJ45 ports +1 100M RJ45 uplink port	-40~75°C

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## FOWAY2309R 100M/1000M Ring Function Switch



### Overview

HiOSO FOWAY2309R is a 9 ports 100M 1000M ring function Ethernet fiber switch. It offers six FE RJ45 ports, two GE fiber ring function ports and one GE SFP uplink port (support 1000M SFP module and 1000M RJ45 electric module), inside web management.

FOWAY2309R supports RSR (Rapid Super Ring) technology and HD video flow transmission. Fiber port supports dual-fiber multi-mode, dual-fiber single-mode and single-fiber single-mode.

FOWAY2309R supports to establish redundant back bone ring type network, applies to security system, electric system, traffic system requirements.

### Character

- ℓ Support maximum 2 GE fiber ports, 6 100M Ethernet ports access and 1 GE SFP uplink port
- ℓ Support to establish Gigabit fiber redundant network
- ℓ Support redundant network protection (switch time less than 50ms)
- ℓ Support RSTP/STP, VOIP transmission
- ℓ Support web management
- ℓ Support 100M port and 1000M port full rate, full duplex non-blocking forwarding
- ℓ Support 8K MAC learning, 1Mbit storage and forward cache space, 4.6G back plane bandwidth
- ℓ Support HD network video flow transmission
- ℓ Fiber port supports dual-fiber multi-mode, dual-fiber single-mode and single-fiber single-mode
- ℓ Aluminum alloy design better for heap radiation and anticorrosion

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### Technical Specification

Parameter	Specification
Standard	IEEE802.3 10Base-T Ethernet, IEEE802.3u 100Base-TX/FX Fast Ethernet, IEEE802.3ab 1000Base-T 、IEEE802.3z 1000Base-SX/LX Gigabit thernet, IEEE802.1d Spanning Tree
Wavelength	850nm/1310nm/1550nm
Distance	Multi-mode: 220m ( fiber 62.5/125μm) /550m (fiber 50/125μm) Single-mode: 10/20/40/60/80/100/120Km, CAT5 cable: 100m
Port	6 FE RJ45 ports: 100Mbps 2 GE fiber ports: 1 Gbps SC/FC port 1 GE SFP ports: 1 Gbps, support 1000Base-SX/LX SFP module and 1000Base-T module
MAC address	8K
Buffer memory space	1Mbit
Bit error rate	<1/1000000000
MTBF	100000 hours
Power	DC12V/2A
Power consumption	9W
Working temperature	-10~60℃
Storage temperature	-40~80℃
Humidity	5%~90% non-condensing
Dimension	42mm (H)×195mm(W)×116mm (D)

### Order Information

NO	Type	Management	Ports	Working temperature
1	FOWAY2309R	NO	6 100M RJ45 ports +2 1000M fiber ring ports + 1 1000M SFP uplink port	-10~60℃

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## FOWAY1309TFC-H 100/1000M Industrial Ethernet Switch



### Overview

HiOSO FOWAY1309TFC-H includes managed and unmanaged types, is security industrial Ethernet switch, with 8 ports 10/100M adaptive RJ45 ports and 1 1000M Combo(1000M SFP port or 10/100/1000M adaptive RJ45 Ethernet port optional) uplink port, supports SFP modules hot plug, and supports to work with fiber switches, fiber converters and other devices with fiber ports. It supports Web management and SNMP management; supports HD video flow transmission, applies to security system, electric system, traffic system requirements.

### Character

- ℓ Support maximum 8 100M RJ45 ports and 1 1000M Combo(1000M SFP port or 10/100/1000M adaptive RJ45 Ethernet port optional) uplink port
- ℓ Support each 100M and 1000M port full rate, full-duplex non-blocking forwarding
- ℓ Support SFP modules hot plug
- ℓ Support 8K MAC learning, 1Mbit storage and forward cache space
- ℓ Each RJ45 port using anti-high voltage circuit, strengthen the lightning protection and anti-interference ability
- ℓ Support to choose one side with fixed metal casing, external power design, better for heat dissipating and installation

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**Technical Specification**

Parameter	Specification
Standard	IEEE802.3 10Base-T Ethernet, IEEE802.3u 100Base-TX/FX Fast Ethernet, IEEE802.3ab 1000Base-T 、IEEE802.3z 1000Base-SX/LX Gigabit ethernet, IEEE802.3x Flow control, IEEE802.1q VLAN, IEEE802.1p QoS, IEEE802.1d Spanning Tree
Wavelength	SFP module: 850nm/1310nm/1490nm/1550nm
Distance	100M SFP module, Multi-mode: 2km (fiber 62.5/125μm and 50/125μm) Single-mode: 20/40/60/80/100/120Km 1000M SFP module, Multi-mode: 220m (fiber 62.5/125μm) /550m (fiber 50/125μm) Single-mode: 10/20/40/60/80/100/120Km Single-fiber Single-mode: 10/20/40/60/80/100/120Km CAT5 cable: 100m
Port	8 100M RJ45 ports: 10/100Mbps 1 1000M Combo ports: 1 Gbps, 100M/1000M SFP&10/100/1000M RJ45
MAC address	8K
Buffer memory space	1Mbit
Bit error rate	<1/1000000000
MTBF	100000 hours
Power	DC12V/1A
Power consumption	6W
Working temperature	-10~60℃ or -40~75℃
Storage temperature	-40~80℃
Humidity	5%~90% non-condensing
Dimension	28mm (H)×193mm(W)×119mm (D)

**Order Information**

NO	Type	Management	Ports	Working temperature
1	FOWAY1309TFC-H	NO	8 100M RJ45 ports +1 Gigabit Combo uplink (SFP fiber port /RJ45 Ethernet port optional)	-10~60℃
2	FOWAY1309TFCM-H	YES	8 100M RJ45 ports +1 Gigabit Combo uplink (SFP fiber port /RJ45 Ethernet port optional)	-10~60℃
3	FOWAY1309TFC-HT	NO	8 100M RJ45 ports +1 Gigabit Combo uplink (SFP fiber port /RJ45 Ethernet port optional)	-40~75℃
4	FOWAY1309TFCM-HT	YES	8 100M RJ45 ports +1 Gigabit Combo uplink (SFP fiber port /RJ45 Ethernet port optional)	-40~75℃

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## FOWAY1310RS-H 100/1000M Industrial Ethernet Switch



### Overview

HiOSO FOWAY1310RS-H is managed 10 ports industrial ring function fiber switch, with 8 ports 10/100M adaptive RJ45 ports and 2 1000M SFP uplink port/ring port, supports Web management and SNMP management, supports RSR (Rapid Super Ring) technology, supports SFP modules hot plug. SFP ports support dual-fiber single-mode, single-fiber single-mode, dual-fiber multi-mode and so on, supports to establish redundant back bone ring type network, supports HD video flow transmission, applies to security system, electric system, traffic system requirements.

### Character

- ℓ Support maximum 8 100M RJ45 ports and 2 1000M SFP port/ring port
- ℓ Support to establish Gigabit fiber redundant network
- ℓ Support redundant network protection (switch time less than 50ms), RSTP/STP, VOIP transmission
- ℓ Support Web and SNMP management, RSR( Rapid Super Ring ) technology
- ℓ Support 100M port and 1000M port full rate, full duplex non-blocking forwarding
- ℓ Support 8K MAC learning, 1Mbit storage and forward cache space
- ℓ Each RJ45 port using anti-high voltage circuit, strengthen the lightning protection and anti-interference ability
- ℓ Support to choose one side with fixed metal casing, external power design, better for heat dissipating and installation



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### Technical Specification

Parameter	Specification
Standard	IEEE802.3 10Base-T Ethernet, IEEE802.3u 100Base-TX/FX Fast Ethernet, IEEE802.3ab 1000Base-T 、IEEE802.3z 1000Base-SX/LX Gigabit ethernet, IEEE802.3x Flow control, IEEE802.1q VLAN, IEEE802.1p QoS, IEEE802.1d Spanning Tree
Wavelength	SFP module: 850nm/1310nm/1490nm/1550nm
Distance	1000M SFP module, Multi-mode: 220m (fiber 62.5/125μm) /550m (fiber 50/125μm) Single-mode: 10/20/40/60/80/100/120Km Single-fiber Single-mode: 10/20/40/60/80/100/120Km CAT5 cable: 100m
Port	8 100M RJ45 ports: 10/100Mbps 2 1000M SFP ports: 1 Gbps, 1000M SFP
MAC address	8K
Buffer memory space	1Mbit
Bit error rate	<1/1000000000
MTBF	100000 hours
Power	DC12V/1A
Power consumption	6W
Working temperature	-10~60℃ or -40~75℃
Storage temperature	-40~80℃
Humidity	5%~90% non-condensing
Dimension	28mm (H)×193mm(W)×119mm (D)

### Order Information

NO	Type	Management	Ports	Working temperature
1	FOWAY1310RS-H	YES	8 100M RJ45 ports +2 Gigabit SFP uplink/ring port	-10~60℃
2	FOWAY1310RS-HT	YES	8 100M RJ45 ports +2 Gigabit SFP uplink/ring port	-40~75℃

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## Foway1310TFS-H 100/1000M Industrial Ethernet Switch



### Overview

HiOSO FOWAY1310TFS-H is unmanaged 10 ports industrial node type fiber switch, with 8 ports 10/100M adaptive RJ45 ports and 2 1000M SFP uplink port/node port, supports SFP modules hot plug, and supports to work with fiber switches, fiber converters and other devices with fiber ports, supports HD video flow transmission, applies to security system, electric system, traffic system requirements.

### Character

- ℓ Support maximum 8 100M RJ45 ports and 2 1000M SFP port/node port
- ℓ Support to establish Gigabit fiber node network
- ℓ Support SFP modules hot plug
- ℓ Support 100M port and 1000M port full rate, full duplex non-blocking forwarding
- ℓ Support 8K MAC learning, 1Mbit storage and forward cache space
- ℓ Each RJ45 port using anti-high voltage circuit, strengthen the lightning protection and anti-interference ability
- ℓ Support to choose one side with fixed metal casing, external power design, better for heat dissipating and installation

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HiOSO Technology Co., Ltd.

**Technical Specification**

Parameter	Specification
Standard	IEEE802.3 10Base-T Ethernet, IEEE802.3u 100Base-TX/FX Fast Ethernet, IEEE802.3ab 1000Base-T 、IEEE802.3z 1000Base-SX/LX Gigabit ethernet, IEEE802.3x Flow control, IEEE802.1q VLAN, IEEE802.1p QoS, IEEE802.1d Spanning Tree
Wavelength	SFP module: 850nm/1310nm/1490nm/1550nm
Distance	1000M SFP module, Multi-mode: 220m (fiber 62.5/125μm) /550m (fiber 50/125μm) Single-mode: 10/20/40/60/80/100/120Km Single-fiber Single-mode: 10/20/40/60/80/100/120Km CAT5 cable: 100m
Port	8 100M RJ45 ports: 10/100Mbps 2 1000M SFP ports: 1 Gbps, 1000M SFP
MAC address	8K
Buffer memory space	1Mbit
Bit error rate	<1/1000000000
MTBF	100000 hours
Power	DC12V/1A
Power consumption	6W
Working temperature	-10~60℃ or -40~75℃
Storage temperature	-40~80℃
Humidity	5%~90% non-condensing
Dimension	28mm (H)×193mm(W)×119mm (D)

**Order Information**

NO	Type	Management	Ports	Working temperature
1	Foway1310TFS-H	NO	8 100M RJ45 ports +2 Gigabit SFP uplink/node port	-10~60℃
2	Foway1310TFS-HT	NO	8 100M RJ45 ports +2 Gigabit SFP uplink/node port	-40~75℃

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## FOWAY2505T 1000M Industrial Ethernet Switch



### Overview

HiOSO FOWAY2505T includes managed and unmanaged types, is five ports Industrial Ethernet Switch, with 4 1000M RJ45 ports and 1 1000M RJ45 uplink port. Supports Web management and SNMP management, supports to transmit HD video flow; applies to Security system, electronic power system and traffic system requirements.

### Character

- ℓ Support maximum 4 1000M RJ45 ports and 1 1000M RJ45 uplink port
- ℓ Support each 1000M port full rate, full-duplex non-blocking forwarding
- ℓ Support 1K MAC learning, 1Mbit storage and forward cache space
- ℓ Each RJ45 port using anti-high voltage circuit, strengthen the lightning protection and anti-interference ability
- ℓ Support to choose one side with fixed metal casing, external power design, better for heat dissipating and installation

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HiOSO Technology Co., Ltd.

### Technical Specification

Parameter	Specification
Standard	IEEE802.3 10Base-T Ethernet, IEEE802.3u 100Base-TX/FX Fast Ethernet, IEEE802.3x flow control IEEE802.1q VLAN, IEEE802.1p QoS, IEEE802.1d Spanning Tree
Distance	RJ45 port: 100m
Port	4 1000M RJ45 ports: 10/100/1000Mbps 1 1000M RJ45 uplink ports: 10/100/1000Mbps
MAC address	1K
Buffer memory space	1Mbit
Bit error rate	<1/1000000000
MTBF	100000 hours
Power	DC12V/1A
Power consumption	4W
Working temperature	-10~60°C or -40~75°C
Storage temperature	-40~80°C
Humidity	5%~90% non-condensing
Dimension	26mm (H)×140mm(W)×106mm (D)

### Order Information

NO	Type	Management	Ports	Working temperature
1	FOWAY2505T	NO	4 1000M RJ45 ports +1 1000M uplink ports	-10~60°C
2	FOWAY2505TM	YES	4 1000M RJ45 ports +1 1000M uplink ports	-10~60°C
3	FOWAY2505T-T	NO	4 1000M RJ45 ports +1 1000M uplink ports	-40~75°C
4	FOWAY2505TM-T	YES	4 1000M RJ45 ports +1 1000M uplink ports	-40~75°C

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## Foway1509TFC-H 1000M Industrial Ethernet Switch



### Overview

HiOSO FOWAY1509TFC-H includes managed and unmanaged types, is 9 ports 1000M security industrial Ethernet switch, with 8 ports 10/100/1000M adaptive RJ45 ports and 1 1000M Combo(1000M SFP port or 10/100/1000M adaptive RJ45 Ethernet port optional) uplink port, supports SFP modules hot plug, and supports to work with fiber switches, fiber converters and other devices with fiber ports, supports to choose Web and SNMP management, supports HD video flow transmission, applies to security system, electric system, traffic system requirements.

### Character

- ℓ Support maximum 8 ports 10/100/1000M adaptive RJ45 ports and 1 1000M Combo(1000M SFP port or 10/100/1000M adaptive RJ45 Ethernet port optional) uplink port
- ℓ Support SFP modules hot plug
- ℓ Support 1000M port full rate, full duplex non-blocking forwarding
- ℓ Support 8K MAC learning, 1Mbit storage and forward cache space
- ℓ Each RJ45 port using anti-high voltage circuit, strengthen the lightning protection and anti-interference ability
- ℓ Support to choose one side with fixed metal casing, external power design, better for heat dissipating and installation

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### Technical Specification

Parameter	Specification
Standard	IEEE802.3 10Base-T Ethernet, IEEE802.3u 100Base-TX/FX Fast Ethernet, IEEE802.3ab 1000Base-T 、IEEE802.3z 1000Base-SX/LX Gigabit ethernet, IEEE802.3x Flow control, IEEE802.1q VLAN, IEEE802.1p QoS, IEEE802.1d Spanning Tree
Wavelength	SFP module: 850nm/1310nm/1490nm/1550nm
Distance	1000M SFP module, Multi-mode: 220m (fiber 62.5/125μm) /550m (fiber 50/125μm) Single-mode: 10/20/40/60/80/100/120Km Single-fiber Single-mode: 10/20/40/60/80/100/120Km CAT5 cable: 100m
Port	8 1000M RJ45 ports: 10/100/1000Mbps 1 1000M Combo ports: 1 Gbps, 100M/1000M SFP&10/100/1000M RJ45
MAC address	8K
Buffer memory space	1Mbit
Bit error rate	<1/1000000000
MTBF	100000 hours
Power	DC12V/1A
Power consumption	7W
Working temperature	-10~60℃ or -40~75℃
Storage temperature	-40~80℃
Humidity	5%~90% non-condensing
Dimension	28mm (H)×193mm(W)×119mm (D)

### Order Information

NO	Type	Management	Ports	Working temperature
1	FOWAY1509TFC-H	NO	8 1000M RJ45 ports +1 Gigabit Combo uplink (SFP fiber port /RJ45 Ethernet port optional)	-10~60℃
2	FOWAY1509TFCM-H	YES	8 1000M RJ45 ports +1 Gigabit Combo uplink (SFP fiber port /RJ45 Ethernet port optional)	-10~60℃
3	FOWAY1509TFC-HT	NO	8 1000M RJ45 ports +1 Gigabit Combo uplink (SFP fiber port /RJ45 Ethernet port optional)	-40~75℃
4	FOWAY1509TFCM-HT	YES	8 1000M RJ45 ports +1 Gigabit Combo uplink (SFP fiber port /RJ45 Ethernet port optional)	-40~75℃

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## Foway1510TFS-H 1000M Industrial Ethernet Switch



### Overview

HiOSO FOWAY1510TFS-H is 10 ports Gigabit industrial Ethernet fiber switch, with 8 ports 10/100/1000M adaptive RJ45 ports and 2 1000M SFP uplink port, supports SFP modules hot plug, and supports to work with fiber switches, fiber converters and other devices with fiber ports, supports Web and SNMP management, and port mirroring, port bandwidth control, port trunking, support HD video flow transmission, applies to security system, electric system, traffic system requirements.

### Character

- ℓ Support maximum 8 1000M RJ45 ports and 2 1000M SFP port
- ℓ Support 1000M port full rate, full duplex non-blocking forwarding
- ℓ Support Web and SNMP management, port mirroring, port bandwidth control, port trunking
- ℓ Support maximum 10k Bytes huge frame quickly transferring
- ℓ Support 16K MAC learning, 2Mbit storage and forward cache space
- ℓ Support to choose one side with fixed metal casing, external power design, better for heat dissipating and installation

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### Technical Specification

Parameter	Specification
Standard	IEEE802.3 10Base-T Ethernet, IEEE802.3u 100Base-TX/FX Fast Ethernet, IEEE802.3ab 1000Base-T 、IEEE802.3z 1000Base-SX/LX Gigabit ethernet, IEEE802.1d Spanning Tree, IEEE802.1w RSTP, IEEE802.1c VLAN, IEEE802.1p QoS, IEEE802.1ad Trunk
Wavelength	SFP module: 850nm/1310nm/1490nm/1550nm
Distance	1000M SFP module, Multi-mode: 220m (fiber 62.5/125μm) /550m (fiber 50/125μm) Single-mode: 10/20/40/60/80/100/120Km Single-fiber Single-mode: 10/20/40/60/80/100/120Km CAT5 cable: 100m
Port	8 1000M RJ45 ports: 10/100/1000Mbps 2 1000M SFP ports: 1 Gbps, 1000M SFP
MAC address	16K
Buffer memory space	2Mbit
Bit error rate	<1/1000000000
MTBF	100000 hours
Power	DC48V
Power consumption	10W
Working temperature	-10~60℃ or -40~75℃
Storage temperature	-40~80℃
Humidity	5%~90% non-condensing
Dimension	28mm (H)×193mm(W)×119mm (D)

### Order Information

NO	Type	Management	Ports	Working temperature
1	Foway1510TFS-H	NO	8 1000M RJ45 ports +2 Gigabit SFP uplink	-10~60℃
2	Foway1510TFSM-H	YES	8 1000M RJ45 ports +2 Gigabit SFP uplink	-10~60℃
3	Foway1510TFS-HT	NO	8 1000M RJ45 ports +2 Gigabit SFP uplink	-40~75℃
4	Foway1510TFSM-HT	YES	8 1000M RJ45 ports +2 Gigabit SFP uplink	-40~75℃

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