Industrial Ethernet Switch   IES706G-4G-2GS

4-port Gigabit RJ45 + 2-port Gigabit SFP, Din-Rail, Managed

➢ Features

- Support 4 Gigabit Ports + 2 Gigabit SFP Port + 1 Console port；
- Support：IEEE802.3、IEEE802.3u，IEEE802.3x，IEEE802.3z / ab，IEEE802.1Q，IEEE802.1p，IEEE802.1d/w；
- Support STP（802.1D），RSTP（802.1w），MSTP（802.1s），ERPS；
- Support SNMP v1/v2/v3；
- Support IGMP Snooping , Static multicast filtering and MLD Snooping；
- Support 802.1x port and AAA Certification，Enhance network security；
- Support WEB, Telnet, CLI,SSH management;
- IP40 protection, rugged high-strength metal case，DIN35 Rail mounting
- EMC grade 4 design，-40 to 85℃ working temperature;
- Support Redundant power supply access, support anti-reverse connection;
- Support Port lightning protection, Surge：General Mode 6KV, Differential Mode2KV, ESD: 15KV, Support EMC EN55032 standard;
- Support dual power supply DC12-55V；
- Warranty: 5 years

➢ Introduction

6-port Gigabit Industrial Ethernet Switch, 4 Gigabit Ports + 2 Gigabit SFP Port + 1 Console port, supporting Din rail and wall mounting. Supports dual power input (DC12-55V); -40 to 85℃ working temperature; Certified by industrial environment and support FCC, CE, CCC, RoHS standards; Reliable industrial design ensures uninterrupted automation system Stable operation.

This series of industrial grade switches can be widely used in wind power, electric power, assembly automation, subway PIS, electric power SCADA, sewage treatment, metallurgy, intelligent transportation, rail transportation, military and other industries. It is a green low-power industrial Ethernet switch.

This series of switches provides advanced network management capabilities: redundant ring, loop protection, VLAN, QOS, speed control, port mirroring, and firmware online upgrades. With standardized industrial design, it can meet the stringent requirements of industrial sites. All components use industrial grade for greater reliability, providing redundant, wide-voltage power inputs and outputs for uninterrupted industrial safety communications.
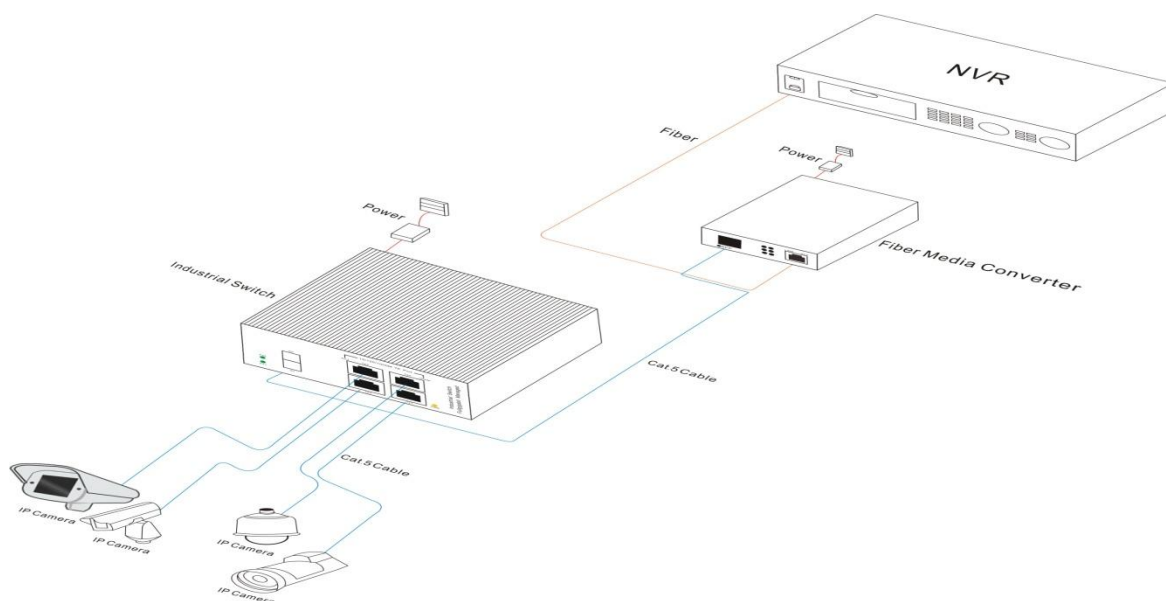
➢ Specification

Specification	
Product Name	6 ports Gigabit Managed Industrial Ethernet Switch
Port Definition	4 * gigabit Ethernet ports + 2*gigabit SFP port + 1 Console port
Network Protocols	IEEE802.3 IEEE802.3u IEEE802.3z IEEE802.3ab IEEE802.3x IEEE802.1d IEEE802.1w
Network Media	10BASE-T: Cat5 UTP(≤100 m) 100BASE-TX: Cat5 or more UTP(≤100 m) 1000BASE-TX: Cat5 or more UTP(≤100 m)
Fiber Media	Multi-mode：850nm，1310nm. transmission distance：550m/2Km Single-mode：1310nm，1550nm. transmission distance：20/40/60/80/100/120Km
Hardware parameter	
Bandwidth	12Gbps
Package Forwarding Rate	8.928Mpps
RAM	128MB
Flash	16MB
Packet Buffer Memory	4M
Jumbo frame	9.6Kbytes
VLANs	4096
MAC address	8K
Forwarding mode	Store-and-forward
L2 management	
Port Management	Support for enabling/disabling ports Support speed, duplex, MTU settings, etc. Support flow control flow control settings Support port mirroring, etc. Support port access direction
STP	Standard Spanning Tree (STP) 802.1d Rapid Spanning Tree (RSTP) 802.1w Multiple Spanning Tree (MSTP) 802.1s
Ring Network Protocol	ERPS

Link Aggregation	Support static manual aggregation Support LACP dynamic convergence
VLAN	Support VLAN and IEEE 802.1Q VLAN
IGMP Snooping	Support static add / delete
MAC	Support static add / delete MAC address learning limit Support dynamic aging time settings
L3 (Layer 3 Switching) and Router Function	
Interface Configuration	Support virtual VLAN interface
ARP	Support check ARP
Router Function	Static Router
Extended Function	
ACL	Based on the source MAC, destination MAC, protocol type, source IP, destination IP, L4 port number Support time-range time management
QOS	Based on 802.1p (COS) classification Based on DSCP classification Based on the source IP, destination IP, port number classification Support SP, WRR, DRR scheduling strategy Support traffic speed limit CAR
LLDP	Support LLDP
User Setting	Support add/delete user
Log	User login, operation, status, event log
Port security	Dyning Gasp、Snmp Trap
Prevent Attack	DOS defense Support for CPU protection, limited to send CPU message rate ARP binding (IP, MAC, PORT binding)
System Management	Device reset, configuration save/restore, upgrade management, time setting, etc.
Management Function	
CLI	Support serial command line management
TELNET	Support serial command line management
SSH	Support SSHv1/2 remote management
SNMP	Support v1/2/3
WEB	Support two layers of settings
LED Indicator	
PWR	Lighting：Powered Un-Light：No Power

SYS	Lighting：System is operating normally
	Un-Light：System is not running
Port Yellow	Lighting：1000M Link
	Un-Light：Link disconnect
	Flashing：Link data transmission
Port Green	Lighting：10/100M Link
	Un-Light：Link disconnect
	Flashing：Link data transmission
G5-G6	Lighting：Fiber Connection is Normal
	Un-Light：Disconnect
	Flashing：Link data transmission
Power Supply	Input Voltage: DC12～55V
	Type of input: 4 PIN Industrial Terminal（block V1+V1- V2+ V2-）
Mechanical Structure	Protect grade： IP40
	Installation：DIN Rail
	Product weight：0.6KG Package weight :0.8 KG（Without power）
	Product Dimensions (L×W×H)： 145mm×125mm×40 mm
	Package Dimensions (L×W×H)： 250mm×210mm×65mm
	Standard packing(L×W×H)： 608mm× 500 mm× 435mm
	Standard packing quantity：36 (PCS)
Working Environment	Operating temperature: -40～85℃
	Storage temperature: -40～85℃
	Humidity: 5%~95 % (No condensation)
Industry Standard	EMI: FCC Part 15, CISPR (EN55032) class A
	EMS: EN61000-4-2 (ESD)
	EN61000-4-4 (EFT)
	EN61000-4-5 (Surge)
	Shock: IEC 60068-2-27
	Free fall: IEC 60068-2-32
	Vibration: IEC 60068-2-6
Certification	CE mark, commercial
	FCC Part 15 Class B
	VCCI Class B
	EN 55032 , Class A
MTBF	100,000 hours
Warranty	5 years

➢ Application

➢ Ordering Information

Model NO.	Description
IES706G-4G-2GS	4 Gigabit Ethernet Ports + 2 Gigabit SFP Port, DC12-55V,DIN-Rail, Managed
IES7010G-8G-2GS	8 Gigabit Ethernet Ports + 2 Gigabit SFP Port, DC12-55V,DIN-Rail, Managed
IES7014G-8G-6GS	8 Gigabit Ethernet Ports + 6 Gigabit SFP Port, DC12-55V,DIN-Rail, Managed

➢ Packing List

- Industrial Ethernet Switch *1
- User manual * 1
- Certificate of quality * 1
- Warranty card * 1