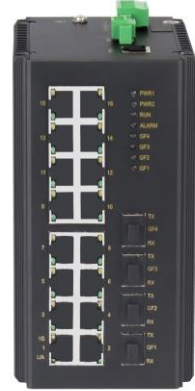


16-port 10/100/1000M Ethernet + 4-port Gigabit SFP, Din-Rail, Managed

➤ Features

- Support 16-port 10/100/1000M RJ45 +4 Gigabit SFP ports;
- Support static multicast filtering, IGMP Snooping;
- Support MW-Ring redundancy technique (failure recovery time <20ms);
- Support STP/RSTP/MSTP;
- Support managed function such as VLAN, QoS, Trunking, and port mirroring;
- Support CLI, WEB, Telnet, SNMP management;
- Support RMON and private MIB table;
- Support firmware upgrade online;
- Support relay alarm output;
- Support indicator status display;
- Support IP40 protection, aluminum alloy shell, fanless design;
- Support Broadcast storm suppression;
- Support dual DC12-48V or single AC/DC 220V power supply;
- Power supply input support anti-reverse protection and non-polarity;
- Support over Voltage, over current, EMC protection;
- Support -40-75°C wide operating temperature range;
- DIN-Rail or wall Installation;
- Warranty:5years



➤ Introduction

UPCOM IES3020G-16G-4GS is a rugged industrial grade, Din-Rail, layer2, Managed Ethernet switch which supports 16-port 10/100/1000M RJ45 +4 Gigabit SFP ports. It provided some kinds of advanced network managed function, such as: MW-Ring redundancy technology (failure recovery time<20ms), VLAN, multicast, Quality of Service, Speed control, port mirroring, fault alarm and firmware remote update, also support CLI, WEB, Telnet, SNMP management, provide a user-friendly web console interface for easy configuration.

IES3020G-16G-4GS adopts standard Industrial design, IP40 protection, aluminum alloy shell, support Din-rail or wall installation, fanless design, EMC level 4 protection, dual power DC12-48V or single AC/DC220V optional, can satisfied the requirement of various industrial applications such as Industrial automation, smart grid, rail transportation industry, safely city, and new energy, etc.

➤ Application

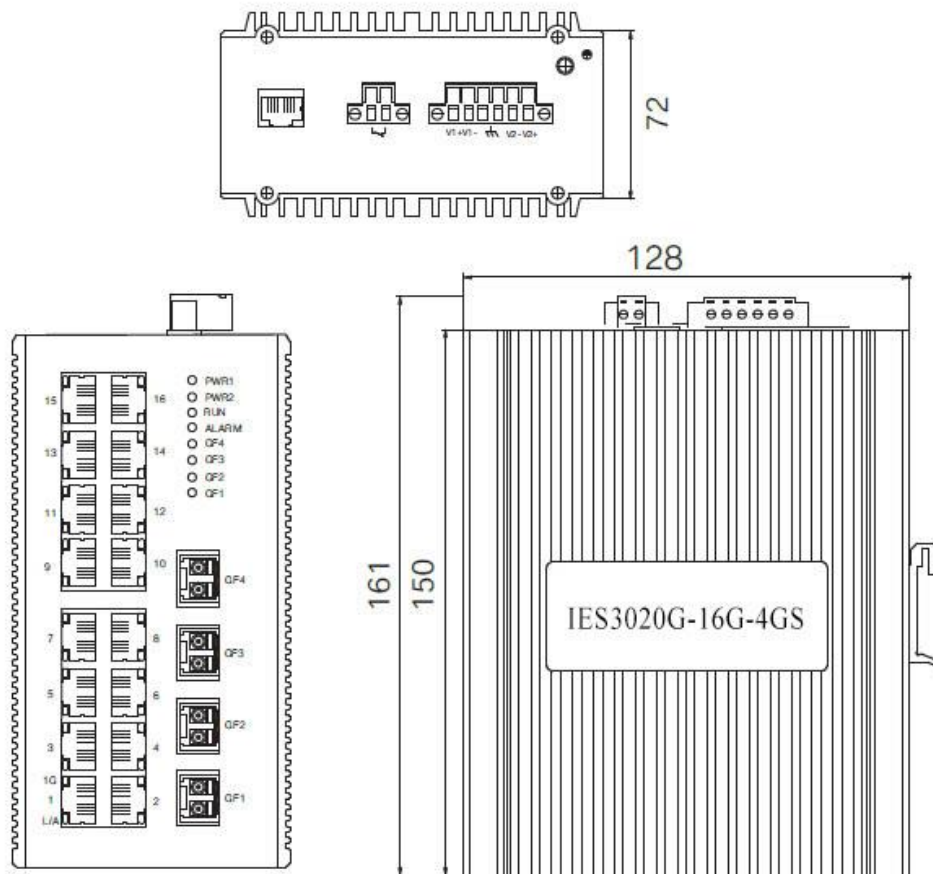
- Intelligent Transportation System
- Industrial Automation
- Security Surveillance
- New Energy and Utilities
- Data Center Network
- Electric Power Industry
- Smart City

➤ Specification

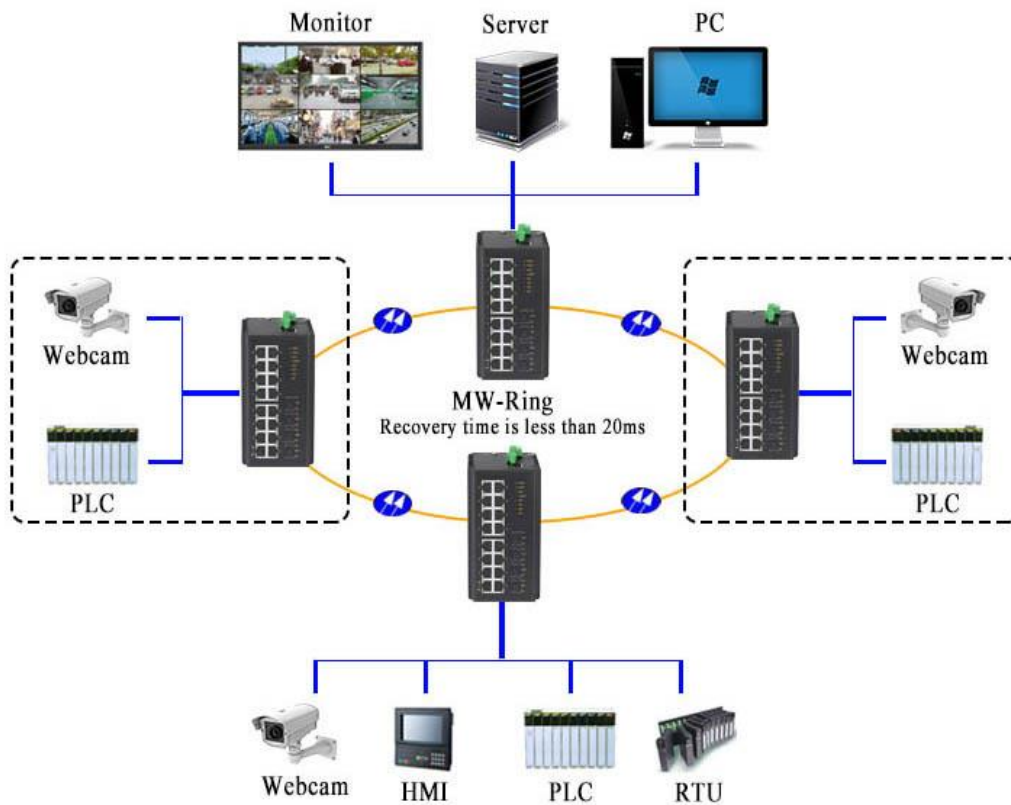
| Specification | |
|--------------------------------|---|
| Product Name | 20-port Full Gigabit Din-Rail Managed layer2 Industrial Ethernet switch |
| Product Model | IES3020G-16G-4GS |
| Port Definition | 16-port 10/100/1000M RJ45 + 4-port Gigabit SFP + 1 Console port |
| Console port | RS232/RJ45 |
| Terminal block for power input | 5.08mm terminal block |
| Terminal block for relay alarm | 5.08mm terminal block,1A@24VDC |
| Software Function | |
| Redundancy protocol | Support MW-Ring redundancy and the recovery time<20ms |
| | Support STP/RSTP |
| Multicast routing | Support IGMP snooping/ IGMP v1/v2/v3 |
| | Support GMRP |
| | Support static multicast |
| Management and maintenance | Support Console and Web management |
| | Support SNMPv1/v2c |
| | Support unified PC software management |
| Ethernet Standard | IEEE802.3-10BaseT IEEE802.3u-100BaseTX/100Base-FX IEEE802.3x-Flow Control IEEE802.3z-1000BaseLX IEEE802.3ab-1000BaseTX IEEE802.1ab IEEE802.1D-Spanning Tree Protocol IEEE802.1w-Rapid Spanning Tree Protocol IEEE802.1Q -VLAN Tagging IEEE802.1p -Class of Service IEEE802.1X-Port Based Network Access Control |
| Switch capability | |
| Priority Queues | 8 |
| VLAN Number | 1-4096 |
| IGMP Groups | 512 |
| MAC Table Size | 8K |
| Backplane bandwidth | 40Gbps |
| Switch Delay | <5μs |
| Communication distance | |
| Twisted-pair | 100m(CAT5/CAT5e cable) |
| Multi-mode fiber | 10/100Base multi-mode: 850nm 2km |
| Single mode fiber | 10/100Base single mode: 1310nm 20km; 1550nm 40/60/80/100/120km |

| | |
|---------------------------------|---|
| LED indicator lights | |
| Front panel LED lights | Port light: LINK/ACT;SPEED; GX |
| | Running light: RUN |
| | Power LED: PWR1/PWR2 |
| Power | |
| Input power | Dual power DC12-48V or Single power AC/DC220V |
| Full-load consumption | <15W |
| Overload protection | support |
| Inversed protection | support |
| Redundancy protection | support |
| Working Environment | |
| Operating Temperature | -40°C~75°C |
| Storage temperature | -40°C~85°C |
| Ambient Humidity | 5%~95% (non-condensing) |
| Physical Characteristics | |
| Shell | IP40 protection, aluminum alloy shell |
| Installation | 35mm din-rail Installation |
| Dimension | 156mm*85mm*138mm |
| Industry standard | |
| EMC | EN61000-4-2(ESD), Level 4 EN61000-4-3(RS), Level 4 EN61000-4-4(EFT), Level 4 EN61000-4-5(Surge), Level 4 EN61000-4-6(CS), Level 4 EN61000-4-8, Level 5 |
| Impact | IEC60068-2-27 |
| Falling | IEC60068-2-32 |
| Shock | IEC60068-2-6 |
| Warranty | |
| Warranty | 5 Years |
| Certification | CE, FCC, RoHS |

➤ Dimension



➤ Connection



➤ Ordering Information

| Model NO. | Description |
|-------------------------|--|
| IES3020G-16G-4GS | 16-port 10/100/1000M Base-T(X) +4-port Gigabit SFP, Dual DC12-48V |
| IES3020G-16G-4GS -AD220 | 16-port 10/100/1000M Base-T(X) +4-port Gigabit SFP, Single AC/DC220V |

➤ Packing List

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