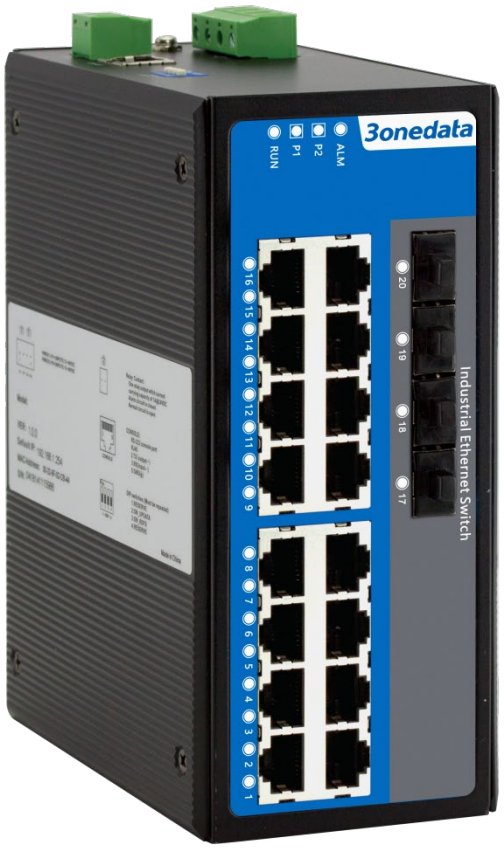
3onedata
Reliable Connections



IES3020G Series

DIN-Rail Mounting

16/20-port Full Gigabit Layer 2 Unmanaged Industrial Ethernet Switch

- Support 4 Gigabit fiber ports (SFP slots) optional, 16 Gigabit copper ports
- Support dual power supply input, input voltage: 12~48VDC
- Support -40~75℃ wide operating temperature range

Industrial Grade RPS IP40

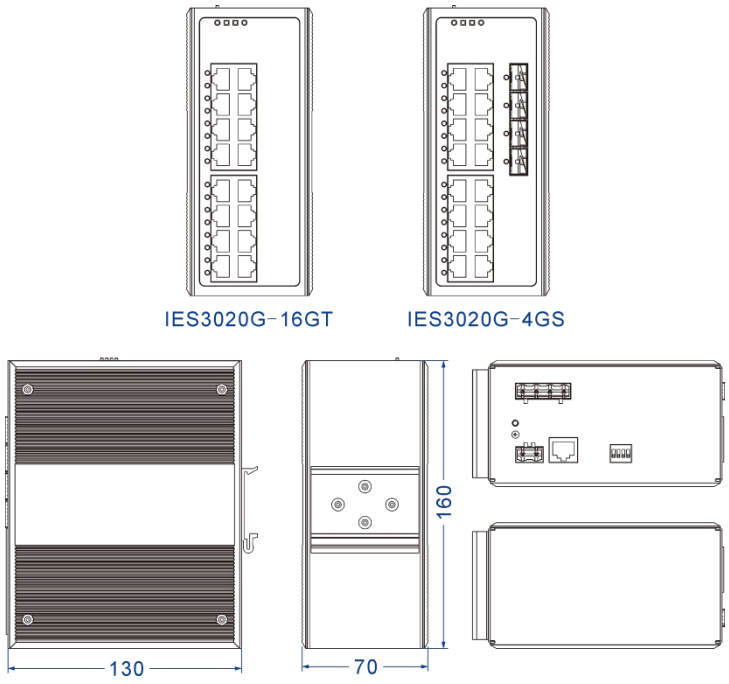
Introduction

IES3020G series are 16/20-port full Gigabit layer 2 unmanaged industrial Ethernet switches. This series provide Gigabit copper port and Gigabit SFP slot. They adopt DIN-Rail mounting to meet the requirements of different application scenes.

Power supply input is two independent power supply circuits, which can ensure the device normal operation when one of the power supplies breaks down. Design of DIP switch can achieve the device rebooting. Hardware adopts fanless, low power consumption, wide temperature and voltage design and has passed rigorous industrial standard tests, which can suit for the industrial scene environment with harsh requirements for EMC. It can be widely used in smart grid, rail transit, smart city, safety city, new energy, intelligent manufacturing and other industrial fields.

Dimension

Unit:mm



Specification

Standard & Protocol	IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-TX

	IEEE 802.3ab for 1000Base-T IEEE 802.3z for 1000Base-X
Interface	Copper port: 10/100/1000Base-T(X), RJ45, Automatic Flow Control, Full/half Duplex Mode, MDI/MDI-X Autotunning SFP slot: 1000Base-SFP
LED Indicator	Running Indicator, Port Indicator, Power Supply Indicator
Switch Property	Transmission mode: store and forward MAC address: 16K Packet buffer size: 12Mbit Backplane bandwidth: 56G Switch time delay: <10μs
Power Requirement	12~48VDC, 4-pin 7.62mm pitch terminal blocks dual power supply redundancy, reverse polarity protection, nonpolarity
Power Consumption	

Model	No-load (@48VDC)	Full-load (@48VDC)
IES3020G-4GS	11.04W	14.88W
IES3020G-16GT	11.04W	13.68W

Environmental Limit	Operating temperature range: -40~75℃ Storage temperature range: -40~85℃ Relative humidity: 5%～95%（no condensation）
Physical Characteristic	Housing: IP40 protection, metal Installation: DIN-Rail mounting Dimension (W x H x D): 70mm×160mm×130mm Weight: ≤1.08kg
Industrial Standard	IEC 61000-4-2 (ESD)， Level 3 IEC 61000-4-4 (EFT), Level 3 IEC 61000-4-5 (Surge), Level 3 Shock: IEC 60068-2-27 Free fall: IEC 60068-2-32 Vibration: IEC 60068-2-6
Certification	CE, FCC, RoHS
Warranty	5 years

Ordering Information

Available Models	Gigabit SFP Slot	Gigabit Copper Port	Power Supply Range
IES3020G-4GS	4	16	12~48VDC dual power supply
IES3020G-16GT	-	16	

Address: 3/B, Zone 1, Baiwangxin High Technology Industrial Park, Song Bai Road, Nanshan District, Shenzhen, 518108, China
TEL.: +86-755-26702668 ext 835 FAX: +86-755-26703485
E-mail: ics@3onedata.com
Website: www.3onedata.com

Please scan our QR code for more details

*Product pictures and technical data in this datasheet are only for reference. Updates are subject to change without prior notice. The final interpretation right is reserved by 3onedata.