VPN Router Industrial

Quick Installation Guide

IGR-20 Series Industrial VPN Router

Introduction

IGR-20 series is a reliable VPN router with 2 ports 10/100/1000Base-T(X) router where ETH1 for LAN and ETH2 for WAN. It supports 802.1X and MAC filter for security control. It could be configured to operate in 2 modes of routing function: Dynamic/Static IP route, PPPoE authentication. In addition, **IGR-20+** also provides PoE P.D. feature on ETH2 which is fully compliant with IEEE802.3af specification. This feature extends the layout up to 100 meters. Therefore, **IGR-20+** is one of the best solution for applications of VPN connection.

Features

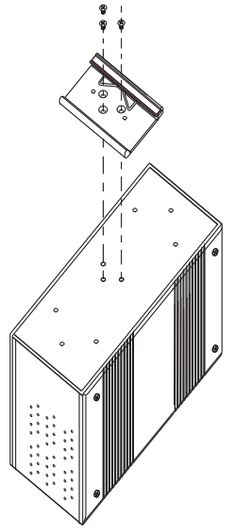
- Provide 2 ports 10/100/1000Base-T(X) interface
- Secured Management by HTTPs
- Various kind of WAN Connection Type supported: Dynamic/Static IP, PPPoE, Modem Dial Up
- IP table to prevent access from unauthorized IP address
- Support VPN for secured network connection (Open VPN, PPTP, IPSEC, VPN)
- Support NAT Setting (Virtual Server, Port Trigger, DMZ, UPnP)
- Versatile modes & event alarm by e-mail
- 1KV isolation on PoE P.D. port
- Event Warning by Syslog, Email, SNMP Trap, Relay output and Beeper
- Rigid IP-30 housing design
- DIN-Rail and Wall-mount enabled

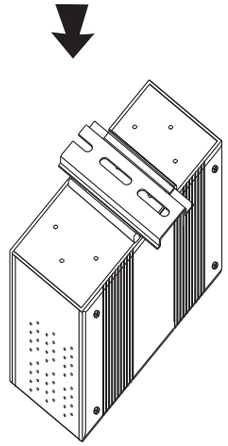
Specifications

ORing Router Model	IGR-20	IGR-20+
Physical Ports		
10/100/1000Base-T(X) Ports in RJ45 Auto MDI/MDIX	2	
PoE P.D Port		Present at ETH2 Fully compliant with IEEE 802.3af Power Device specification Over load & short circuit protection Isolation Voltage: 1000 VDC min. Isolation Resistance: 10^6 ohms min
5-Pin Terminal Block	2 (4xDI and 4xDO)	
LED Indicators		
Power Indicator	3 x LEDs, PWR1(2)(PoE) / Ready: Red On : Power is on and booting up Green On : Power is on and functioning Normal	
10/100/1000Base-T(X) RJ45 Port Indicator	2 x LEDs, Link/Act : Green for port Link/Act Speed : Green for port Link at 1000Mbps Amber for port Link at 100Mbps Off for port Link at 10Mbps	
Fault	1 x LED, Red for Ethernet link down or power down indicator	
Fault Contact		
Relay	Relay output to carry capacity of 1A at 24VDC	
Power		
Redundant Input power	Dual DC inputs. 12-48VDC on 6-pin terminal block	
Power consumption(Typ.)	4 Watts	5 Watts
Reverse polarity protection	Present	
Overload current protection	Present	
Physical Characteristic		
Enclosure	IP-30	
Dimension (W x D x H)	74.3(W) x 109.2(D) x 153.6(H) mm (2.93 x 4.3 x 6.05 inch.)	
Weight (g)	845g	850g
Environmental		
Storage Temperature	-40 to 85°C (-40 to 185°F)	
Operating Temperature	-40 to 75°C (-40 to 167°F)	
Operating Humidity	5% to 95% Non-condensing	
Regulatory Approvals		
EMI	FCC Part 15, CISPR (EN55022) class A	
EMS	EN61000-4-2 (ESD), EN61000-4-3 (RS), EN61000-4-4 (EFT), EN61000-4-5 (Surge), EN1000-4-6(CS), EN61000-4-8, EN61000-4-11	
Shock	IEC60068-2-27	
Free Fall	IEC60068-2-32	
Vibration	IEC60068-2-6	
Safety	EN60950-1	
Warranty	5 years	

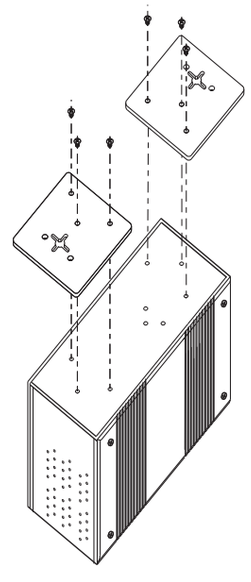
Installation

Din-Rail Install Step

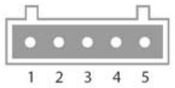




Wall-mounted Install Step



DI/DO Definition



PIN	1	2	3	4	5
Function	DI1	DI2	DI3	DI4	COM

PIN	1	2	3	4	5
Function	DO1	DO2	DO3	DO4	GND

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VPN Router
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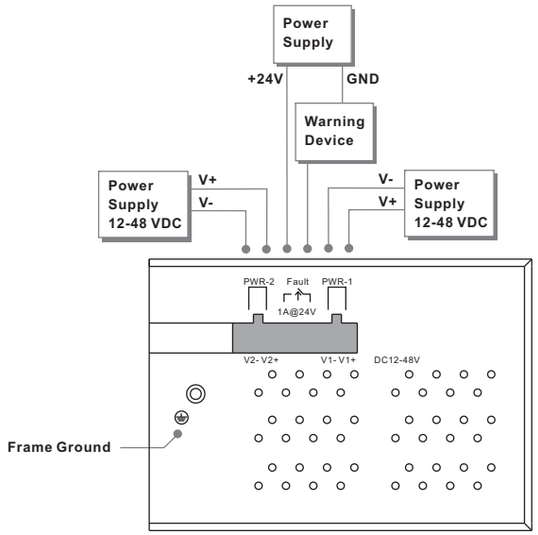
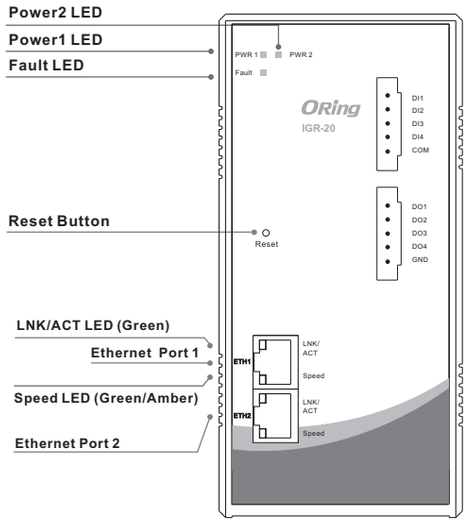
IGR-20 Series

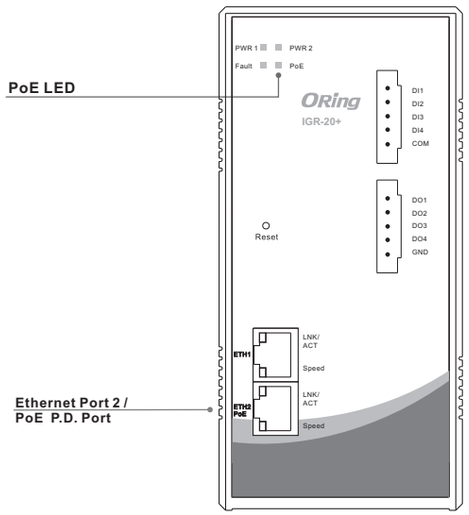
Industrial VPN Router

Power Connection Guide



Front Panel

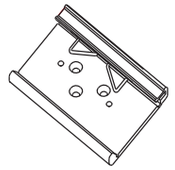




Accessory

① Dust Cover (RJ-45)

② 66mm DIN-Rail kit

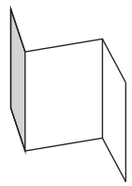


③ 6-Pin Terminal block

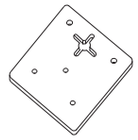
④ 5-Pin Terminal block

⑤ CD

⑥ QIG



⑦ Wall-mounted kit



⑧ Flat Screw (M3 X5)

Packing list

Model name	Model Description	Accessory
IGR-20	Industrial VPN Router with 2x10/100/1000Base-T(X)	①X 2, ②X 1, ③X 1, ④X 2, ⑤X 1, ⑥X 1, ⑦X 2, ⑧X 6
IGR-20+	Industrial VPN Router with 2x10/100/1000Base-T(X), 1-Port PoE P.D.	①X 2, ②X 1, ③X 1, ④X 2, ⑤X 1, ⑥X 1, ⑦X 2, ⑧X 6

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