



Industrial 5G Router - 8 Port Ethernet Switch

IE-MG-0804-5G01

Product Description

The Industrial 5G Router - 8 Port Ethernet Switch is engineered for high-speed communication networks in industrial applications. Featuring an industrial 5G module, it offers dual uplink options with optical fiber and 5G, ensuring reliable and stable data transmission. Designed for demanding industrial environments, this product overcomes the limitations of 100M backbone networks, ensuring smoother, more reliable, and faster communication to meet the evolving demands of industrial sectors.



Ports Interface

RJ45	8x RJ45 10/100/1000Mbps ethernet ports w/ MDI/MDI-X adaptive mode
Console	1x RJ45 console port
Optical	4x 1.25G 1000Base-X SFP ports
5G	2x 5G antennas
Sim	1x sim card port
USB	1x USB-A 3.0 debugging port

Ethernet Standards

IEEE 802.3u
IEEE 802.1q
IEEE 802.1p
IEEE 802.3ad

Indicators

Power	PWR1 PWR2	Power status
Run	RUN	Flashing = normal operation On/Off = abnormal operation
Alarm	ALM	Equipment alarm
RJ45	L/A	Yellow = Port rate indicator Green = Connection status indicator On = Valid network connection established Off = No valid network connection has been established Flashing = Network activity
SFP	G9 - G12	On = Valid network connection established Off = No valid network connection has been established Flashing = Network activity

Software

Management	Web management Embedded web server w/ remote management
Address Table	8K MAC addresses
Multicast	IGMP IGMP snooping
VLAN	IEEE 802.1Q VLAN division
Software Features	Remote access control QoS management Static MAC address forwarding table Port aggregation Port mirroring Trunk port convergence Port rate limitation Broadcast storm suppression IPv4 static routing MAC address binding Ring network protection SNMP v1/v2c management Full duplex flow control Half duplex back pressure flow control Relay fault alarm

5G Features

NR	SA/NSA networks
4G / 5G Switching	Automatic switching between 4G and 5G networks
Modulation Mode	Uplink and downlink 256QAM
Output Power	N41: 23dBm±2dB N78: 23dBm+2dB / 23dBm-3dB N79: 23dBm+2dB / 23dBm-3dB
Receiving Sensitivity	N41: 2 antenna 10mhz/30khz SCS <-95.1dbm N78: 2 antenna 10mhz/30khz SCS <-96.1dbm N79: 2 antenna 40mhz/30khz SCS <-89.7dbm

Power

Power Input	12VDC 24VDC 48VDC
Power Port	5-pin terminal block
Self Consumption	20W

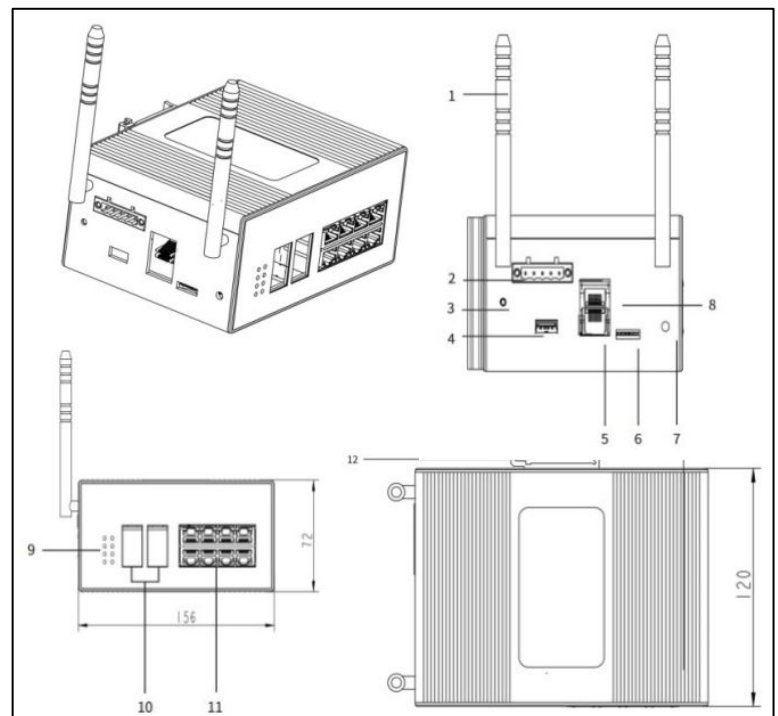
Physical Properties

Case Material	Aluminum
Dimensions (H x D x W)	160mm x 120mm x 70mm
Mounting	Optional DIN-Rail mount included Optional wall mount included

Environmental Standards

Rating	IP40
Storage Temperature	-40°C to 80°C
Operating Temperature	-40°C to 85°C
Humidity Tolerance	5% to 95%

Switch Interface Illustration



1	5G Antennas	7	Grounding screw
2	Power input terminal	8	Serial debugging port
3	Reset button	9	LED indicators
4	USB-A 3.0 debugging port	10	SFP ports
5	RJ45 debugging port	11	RJ45 Ethernet ports
6	SIM card slot	12	DIN-rail mount

Any questions?

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