

MIEN3020G-4GC-16GT

20-port Layer 2 Full Gigabit Rack-Mount Industrial Ethernet Switch



- ◆ Support 4 Gigabit Combo ports and 16x1000 Base-X ports
- ◆ Gigabit SFP interface, which can support hot-swappable LC SFP module and RJ45 interface module
- ◆ 16x10/100/1000Base-T adaptive Ethernet interfaces (full duplex, half duplex), support automatic MDI/MDI-X connection
- ◆ Support power status relay alarm output
- ◆ Adopt high-strength closed aluminum shell, IP40 protection.
- ◆ -40℃~75℃ working temperature, which can meet harsh industrial environment.



Product Description

MAIWE MIEN3020G series are Layer 2 unmanaged Industrial Ethernet switches specially designed and developed for industrial communication network applications. The switch is mainly used for simple plug-and-play applications. It supports 4 Gigabit Combo ports and 16x1000Base-X ports, of which the fiber port is 1000Base-X optical fiber interface, and the interface type is shielded SFP base. The copper port is 10/100/1000Base-T Ethernet RJ45 port, RJ45 is shielded, and each RJ45 port has an adaptive function. 1000Base-T supports full-duplex mode and can automatically perform MDI/MDI-X connection.

MAIWE's unmanaged switches provide a wide range of DC and AC power inputs. This series of products have the characteristics of high-speed wire-speed forwarding. They are widely used in integrated energy, smart city, rail transit, intelligent transportation, industrial automation and other industrial fields.

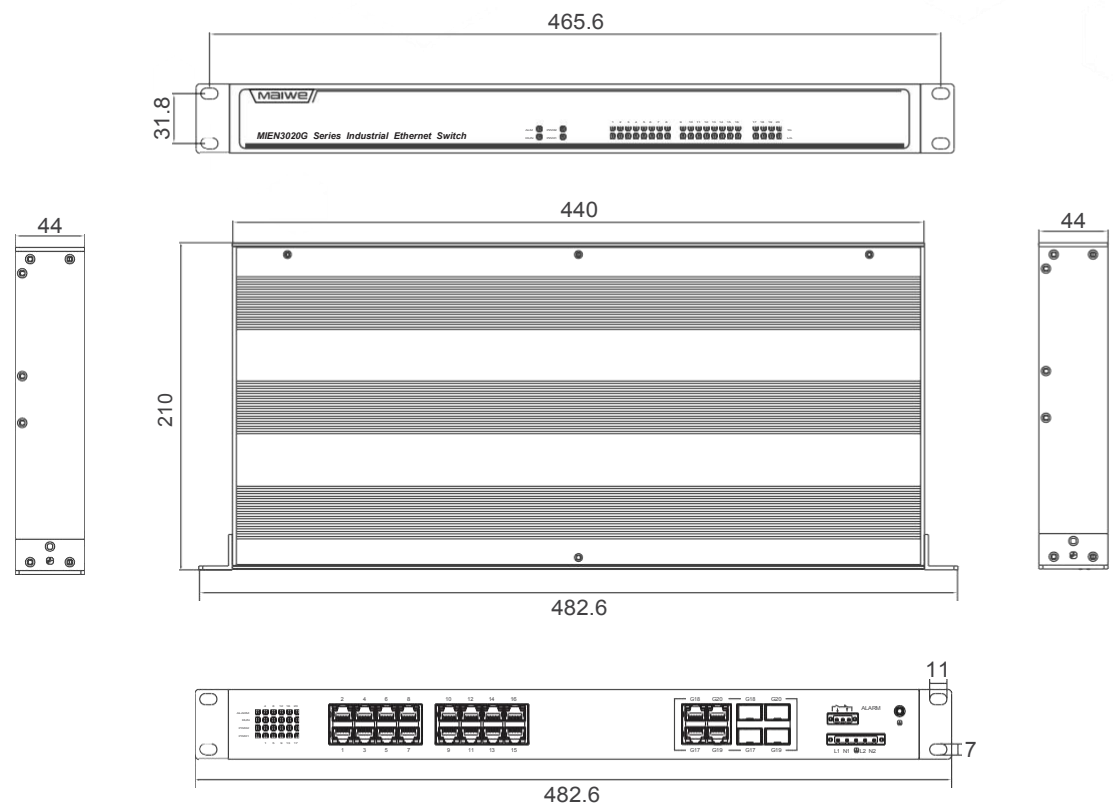
Technical Specifications

Product Parameters	
IEEE Standard	802.3,802.3u,802.3z,802.3ab
Protocol	CSMA/CD
Processing Type	Store and Forward
Backplane bandwidth	56Gbps
Memory Buffer	4.1Mbit
MAC address table	8K
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port
Jumbo Frame	10000byte
Gigabit port	16 * 10/100/1000Base-T+4 *1000Base-LX ports or 20 *10/100/1000Base-T
Copper port parameters	Physical interface: RJ45 with shielding, IEEE802.3 standard
	RJ45 port: 10/100/1000Base-T (Gigabit) supports auto-negotiation function
	Transmission distance: 100 meters (standard CAT5/CAT5e cable)
Fiber port parameters	Luminous power: >-12dBm (single mode) >-17dBm (multimode)
	Receiver sensitivity: <-38dBm (single mode) <-35dBm (multimode)
	Wavelength: 1310nm (single-mode) 1550nm (single-mode) 850 nm (multi-mode) 1310 nm (multi-mode)
	Transmission distance: multimode fiber 850nm, 2km; 1310 nm, 2/5km Single-mode fiber 1310nm, 20/40/60km; 1550nm, 20/40/60/80/120km
	Connector Type: LC
	Transmission rate: 1.25Gbps (Gigabit)
Power parameters	Input voltage: 220AC/DC (85-264VAC/110-370VDC), complied with the requirements of SELV
	Input power consumption: 24W (MAX)
	Over current Protection: Built-in
Mechanical parameters	Physical Dimensions (W×H×D): 482.6mm×44mm×210mm
	Installation method: standard 19' 1U rack type
	Heat dissipation form: aluminum alloy single rib chassis surface heat dissipation
	Outlet form: front and rear
	Case protection: IP40
Working environment	Working temperature: -40℃~+70℃
	Storage temperature: -40℃~+85℃
	Humidity: 5%~95% (non-condensing)
EMI	FCC Part 15 Subpart B Class A, CE EN 55032 Class A, EN 61000-6-4 Class A
EMC standard	CE EN 55024 Class A, EN61000-6-2 Class A
	IEC61000-4-2(ESD),Level4
	IEC61000-4-5(Surge),Level4※The network port supports 6KV lightning protection
	IEC61000-4-4(EFT),Level4

Technical Specifications

	IEC61000-4-3(RS),Level4
	IEC61000-4-6(CS),Level4
	EN61000-4-8, Level 5

Installation size



Ordering Information

Model No	Gigabit combo port	Gigabit copper port	Power Supply
MIEN3020G-4GC-16GT-AD220	4	16	Single AC/DC220V
MIEN3020G-4GC-16GT-2AD220	4	16	Dual AC/DC220V