KGW3608A Intelligent Gateway
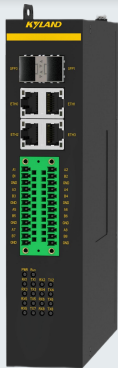
- Support 2x100Base-FX SFP ports   4x10/100Base-T(X) RJ45 ports, 8xSerial ports
- Support STP/RSTP   Support VLAN
- Support DIN Rail   Wall mounted
- Support data transparent transmission mode and conversion of various common protocols
- IP40 protection grade, EMC4 electromagnetic protection
- Serial port supports 2kV isolation protection
- Metal body, wide temperature operation   -40 ~ + 75

≫ Product Overview

KGW3608A is a latest generation of intelligent gateway and switch All-in-One devices which are specially designed to meet the demand of data collecting and switching under harsh environment.It can be deployed as an intelligent communication node in the industrial network to collect all of data through its RS232/RS485 serial and Ethernet ports and access the Ethernet network after unified processing. It supports STP/RSTP and can provide redundancy network access solutions.

KGW3608A series serial switching integrated intelligent gateway adopts highly reliable industrial-grade design;the rated power consumption of the device does not exceed 8W; fanless, wide temperature and pressure hardware design scheme makes the device suitable for various harsh industrial environments.

≫ Technical Specifications

Ethernet Interface

Ethernet port number
SFP port   2×100 Base-FX SFP ports
RJ45 port   4x10/100Base-T(X) RJ45 ports

Serial Interface

Serial port number：8个
Serial port model：RS–232/485
Connector：terminal block
Isolation Protection：2 kV

DIP switch

enable/disable the 120Ω terminal resistor of RS485

Serial Communication Parameters

Data bit   5   6   7   8
Stop bit   1   2
Check digits   None   Even   Odd
Baud rate   50bps   230400bps

Switch

IEEE 802.3i (10Base-T)
IEEE 802.3u (100Base-T and 100Base-FX)
IEEE 802.3x (Flow Control)
IEEE 802.1p (Class of Service)
IEEE 802.1Q (VLAN)
IEEE 802.1d (STP)
IEEE 802.1w (RSTP)

Security function

Support SSH
Support SSL
Support MAC address binding
Support User classification

Equipment management

Support Web management （HTTP/HTTPS）
Support KyPMT （device search, IP address configuration and other functions）
Support ICMP
Support SNMP v1/v2c
Support SNMP Trap
Support ARP
Support DNS
Support DHCP client

Equipment maintenance function

Upgrading through web
Support FTP
Support TFTP
Support Syslog
Support SMTP mail alert
Support equipment alarm indicator
Automatic reconnection after disconnection

Clock characteristics

NTP client

LED indicators

front panel
PWR LED:Power
Run LED:Run
TX01-TXn   Serial port transmit data
RX01-RXn   Serial port receive data

Button

Reboot and restore default configuration

Physical Characteristic

Housing: Metal
Dimension   45× 198× 158mm（W× H× D）
Cooling   Natural cooling, fanless
Protection Class   IP40
Installation method: DIN rail type and wall-mounted type

Operating temperature： –40℃ ~ +75℃
Storage temperature： –40℃ ~ +85℃
Ambient Relative humidity： 5 ~ 95% no condensation
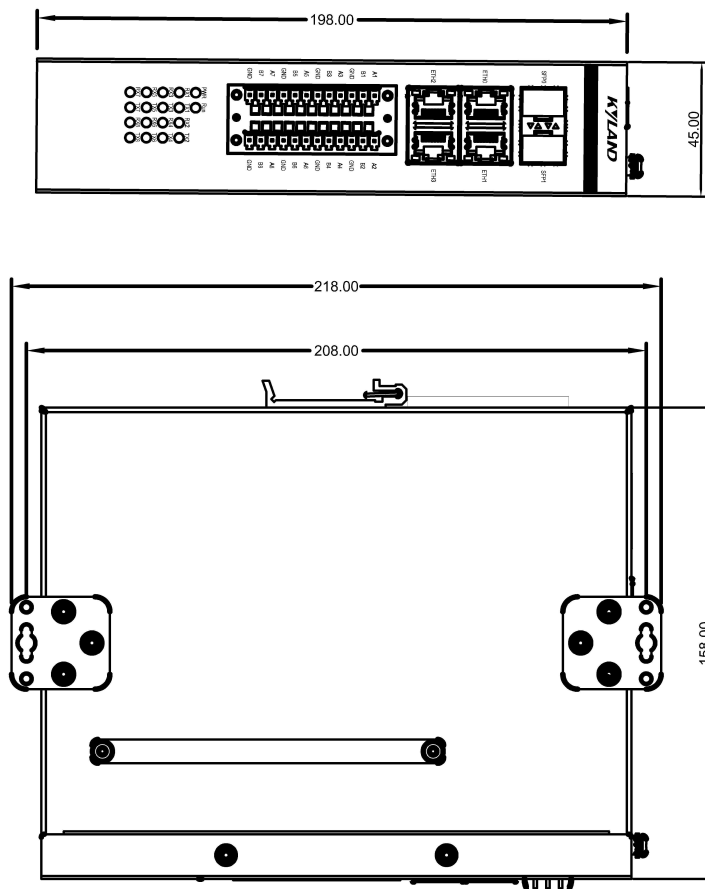
Warranty

MTBF： > 300000h
Warranty： 5 years

Power Requirements

Input voltage   12~ 48VDC,dual power optional
Access terminal   5-pin 5.08 mm-spacing plug-in terminal block
Power Consumption   8W
Reverse protection   Support
Overload protection   Support
Power failure alarm   Support

Industrial standards

EMI
FCC CFR47 Part 15,
EN 55022/CISPR22,ClassA
EMS
IEC61000-4-2(ESD) ± 8kV(contact),± 15kV(air)
IEC61000-4-3(RS) 10V/m(80MHz   2GHz)
IEC61000-4-4(EFT) Power Port:± 4kV;Data Port:± 2kV
IEC61000-4-5(Surge) Power Port:± 2kV/DM,± 4kV/CM; Data Port:± 2kV
IEC61000-4-6(CS) 10V(150kHz   80MHz)
IEC61000-4-8 30A/m
IEC61000-4-9 1000A/m
IEC61000-4-10 100A/m
IEC61000-4-12 2kV/CM,1kV/DM
IEC61000-4-16 30V(cont.),300V(1s)
Machinery
IEC60068-2-6(vibration)
IEC60068-2-27(shock)
IEC60068-2-32(free fall)

⟫ Mechanical Drawing

KGW3608A

⟫ Ordering Informtion

Model	Parameters
KGW3608A-2SFP4T8D-232/485-L17-L17	2x100 Base-FX SFP ports, 4x10/100Base-T(X) RJ45 ports, 8xRS232/RS485 (Software config), 12-48VDC dual power optional

Driver package KGW-IE1	(Default driver) Modbus RTU, Modbus TCP, OPC UA , DNP 3.0, DL/T645-2007, DL/T645-1997, IEC-60870-101, IEC-60870-103, IEC-60870-104, S7, MQTT, IEC 61850 MMS Client/Server/Goose