

KBSP2110-8PGE2GF-I-DC12

- 8*10/100/1000Base-T PoE Port + 2*1000Base-X (optional)
- PoE compliant with IEEE 802.3.af/at standard and total PoE power upto 100W/120W/150W
- PoE Enable/Disable feature is available on each Ethernet port through WEB configuration
- DC power supply with wide range 9-18VDC (typical 12VDC) for enhanced reliability
- IP40 metal case for durability and protection
- Fanless design for silent operation
- Working Temperature: -40° C to +80° C
- DIN-Rail and wall mounting enabled

Overview

The KBSP2110-8PGE2GF-I-DC12 series is a collection of gigabit industrial Ethernet switches that feature 8 10/100/1000Base-Tx PoE electrical ports and 2 optional 1000Base-x optical ports. These switches offer seamless embedded Web management capabilities, allowing users to conveniently enable or disable the PoE feature on each Ethernet port.

The KBSP2110 switch is enclosed in a robust industrial-grade metal case, designed for DIN Rail mounting, and boasts an IP40 protection rating. This ensures exceptional durability and reliability in demanding industrial environments.

Specification

Machinery Standard

IEEE 802.3 10Base-T
IEEE 802.3u 100Base-Tx
IEEE 802.3ab 1000Base-T
IEEE 802.3z 1000Base-X

Switch Properties

MAC Table: 8K
Packet Buffer: 2M
Packet Forwarding Rate: 20.832Mpps
Switching Delay: <5us

Interface

Electrical Ports: 8* 10/100/1000Base-T (RJ45, 1-8 PORT
POE, Support enable/disable PoE feature on each in WEB)

LED Indicators

Power LED: PWR
Interface LED: RJ45 (Link&ACT)

Power

Power Terminal: 4-pin 5.08mm-spacing plug-in terminal block
Power Supply: 12VDC / 9V-18VDC
Full load power consumption: < 8W (POE:<120W)
Overload Protection: Support
Reverse Connection Protection: Support
Redundancy Protection: Support

Physical Characteristics

Housing: Metal, fanless
Protection Class: IP40
Dimensions : 44.5mm x 179mm x 100mm(W×H×D)
Weight: 0.8kg
Mounting: DIN-Rail or Panel mounting

PoE

IEEE 802.3.af : Supported 15.4W /port
IEEE 802.3.at: Supported 30W /port
Support enable/disable PoE feature on each port in WEB)

Industrial Standard

EMI:
FCC CFR47 Part 15, EN55022/CISPR22, Class A
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): 3V (10kHz-150kHz); 10V (150kHz-80MHz)
IEC61000-4-16 (Common mode conduction): 30V (cont.), 300V (1s)

Machinery

IEC60068-2-6 (Vibration)
IEC60068-2-27 (Shock)
IEC60068-2-32 (Free Fall)

Compliant

CE, FCC, RoHS

MTBF

360,000 hrs

Warranty

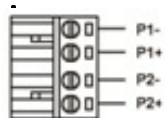
1-3 years

Environmental Limits

Operating Temperature: -40 to 80° C
Storage Temperature: -45 to 85° C
Ambient Relative Humidity: 5 to 95% (non-condensing)

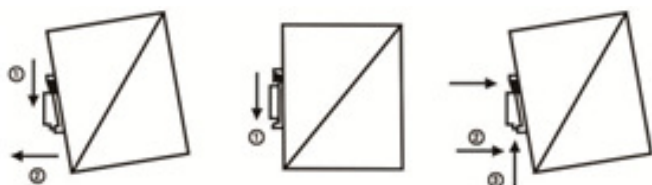
Installation modes

Power Terminal

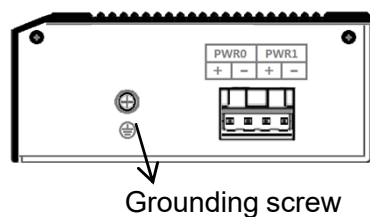


- 4-pin 5.08mm-spacing plug-in terminal
- 12V, 9-18VDC wide voltage input
- P1&P2 dual power input
- Reverse protection

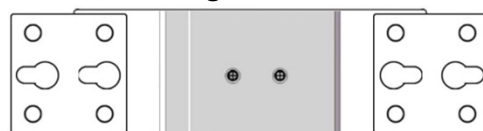
Din-Rail:



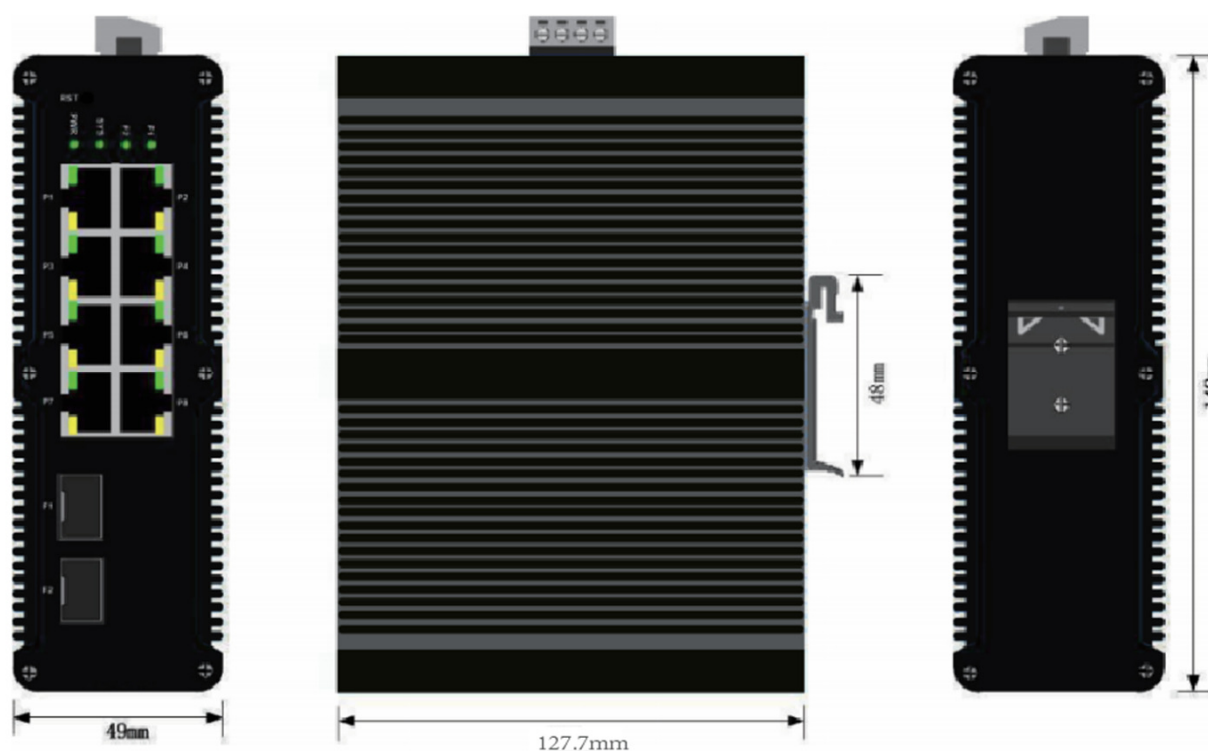
Earth Protection



Wall mounting



Mechanical Drawing



NOTE: Subject to change based on the maximum power of Power over Ethernet (PoE)

Ordering Information

Product model	Product descriptions
KBSP2110-8PGE2GF-I-DC12	8*1000Base-T RJ45 (IEEE802.3af/at POE)+ 2*1000Base-T RJ45 (optional), supporting POE port enable/disable feature, Web managed industrial Ethernet Switch, Din-Rail, 12VDC/9-18VDC power input