

ALLNET Switch industrial unmanaged Layer2 6 Port GbE • 4x GbE • 2x SFP • Fanless • IP40 • ALL-SGI8104v3

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EAN CODE



Highlights:

Industrial design, 4x 10/100/1000M Ethernet RJ45 ports with AutoUplink™ and 2 gigabit SFP slots.

- Supports IEEE802.3x flow control for Full-duplex Mode and back pressure for Half-duplex Mode.
- RJ-45 port supports Auto MDI/MDI-X.
- Auto-Negotiation for Full-duplex Mode and Half-duplex Mode.
- Plug and play, with LED indicators for monitoring power/link/activity, easy to use.
- Provides DIN35 rail-type installation method.
- 6KV Surge protection(6KV Common Mode, 2KV differential Mode), 6KV contact/8KV air ESD protection
- IP40 protection class.
- Expand DIP function:
 - VLAN: Ports 1-4 can be isolated to each other but can connect to Ports 5 & 6 after open VLAN to stop broadcast Storm to increase forwarding rate of frame.
 - 250m: Transmission extend 250 metres
 - Broadcast Control

ALL-SGI8104v3 Industrial Gigabit Ethernet Switch – 6 Ports (4x RJ45 + 2x SFP), DIN-Rail, IP40

The **ALL-SGI8104v3** is a high-performance **industrial 6-port Gigabit Ethernet switch** designed for reliable operation in demanding industrial environments. It features **4 x 10/100/1000M RJ45 Ethernet ports** with Auto-Negotiation and **2 x Gigabit SFP slots**, enabling flexible network expansion and long-distance fiber connections of up to **120 km**.

Built with a **rugged aluminum extrusion housing**, the switch offers excellent resistance to corrosion, electromagnetic interference, vibration, and harsh environmental conditions. Its **IP40 protection class** and

DIN-35 rail mounting make it ideal for industrial automation, control cabinets, transportation systems, and factory networks.

The switch supports **IEEE 802.3x flow control** in full-duplex mode and back-pressure in half-duplex mode, ensuring stable and efficient data transmission. All RJ45 ports support **Auto MDI/MDI-X** and **plug-and-play installation**, allowing quick deployment without configuration. Integrated **LED indicators** provide clear status monitoring for power, link, and network activity.

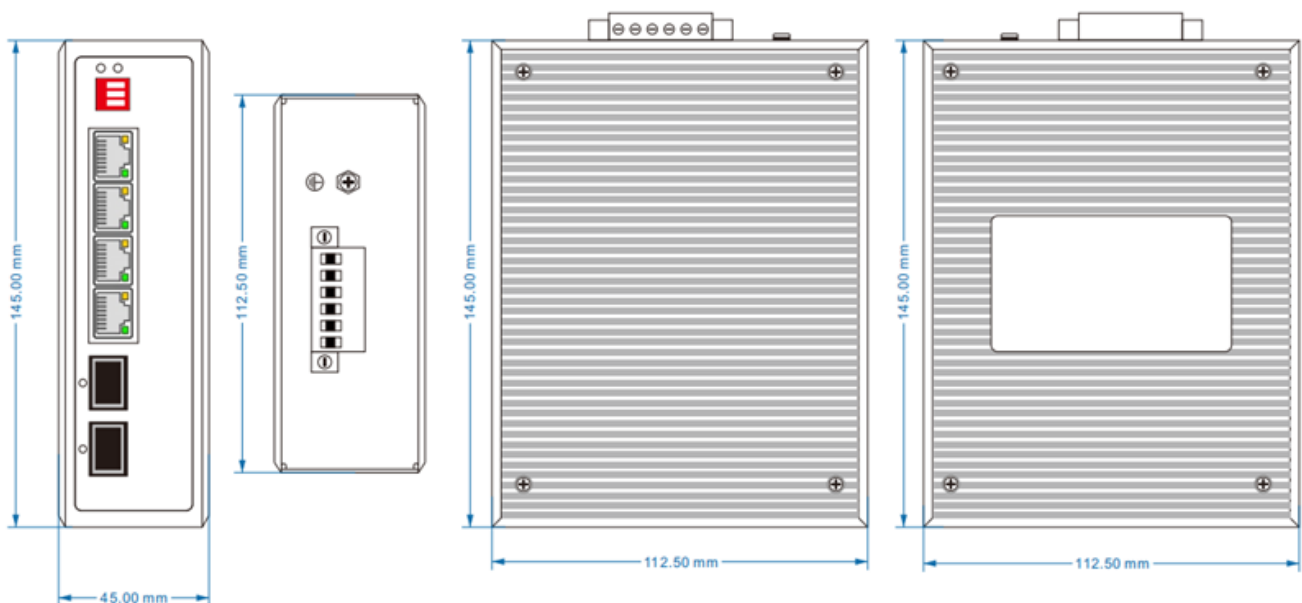
Advanced **DIP switch functions** allow easy network optimization:

- **VLAN isolation** (Ports 1–4 isolated from each other, communication allowed with SFP ports to prevent broadcast storms)
- **Extended transmission mode up to 250 meters**
- **Broadcast storm control**

For maximum network reliability and equipment protection, the ALL-SGI8104v3 is equipped with **6 kV surge protection** (6 kV common mode, 2 kV differential mode) and **ESD protection** (6 kV contact, 8 kV air discharge).

With wide industrial power input options and outstanding environmental adaptability, the **ALL-SGI8104v3** is an ideal solution for connecting industrial controllers, servers, relays, hubs, terminals, and other network devices in mission-critical applications.

Dimension:



Technical Details:

Model	ALL-SGI8104v3
Interface	4*10/100/1000Base-T RJ45 ports 2*1000Base-X uplink SFP fiber s lot ports
Standards	IEEE802.3: CSMA/CD;
Compliance	IEEE802.3i: 10Base-T; IEEE802.3u: 100Base-T; IEEE802.3ab: 1000Base-T; IEEE802.3z: 1000Base-LX
SFP Port	Gigabit SFP fiber interface, default matching optical modules, need to buy separately, (optional order single mode / multi-mode, single fiber / double fiber optical module.
Characteristic	
Forwarding Mode	Store and Forward
LED Indicators	Power indicator: PWR (green); Network indicator: Link/ACT(green);
Power	DC 12-57V needs to be bought extra.
Relay Alarm	Support
Dimension / Weight	145*112.5*45mm/ 0.60kg
Operation TEMP / Humidity	-40 ~ +75°C;5% ~90% RH Non condensing
Storage TEMP / Humidity	-40 ~ +85°C;5% ~95% RH Non condensing
MTBP	50,000hrs

Attributes

Attribute	Value
Anzahl Ports PoE/LAN:	0/4
Belüftung Switch:	Lüfterlos
Einsatzort Switch:	Industrial DIN
Extra Features:	IP40
LAN Geschwindigkeit:	1Gbit/s
Management:	unmanaged
PoE Port Leistung:	30W at



Part No.: 238016
Vendor Part No.: ALL-SGI8104v3

Attribute	Value
SFP Geschwindigkeit:	SFP 1GBit
SFP Port Anzahl:	2
Weight:	0.6 Kg
Warranty:	24.00 Months