



AVCOMM®

628GX4

Datasheet

Aiming to create better and safer working environments and life experiences through the products we deliver.



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Reliable Plug and Play Industrial Ethernet Switch for Automation and Electrical OEM

628GX4

Industrial Management Switch

AVCOMM 628GX4 is managed Industrial Ethernet Switch which provide twenty-four 10/100baseTX ports, four 1000Base-X ports and one console port. It supports CLI management and Ethernet layer-2 protocol to ensure the stability of the data transmission. Fanless design with low power consumption and high anti-EMI capability enable the stable operation in harsh industrial environments. AVCOMM 628GX4 supports rack-mounted to facilitate in various industrial network applications.



Features & Benefits

Fast Ethernet Switching

- Twenty-four(24) 10 /100BaseTX RJ-45 ports and four(4) 1000Base-X ports(SC SFP optional)
- 8K MAC address table
- Store and forwarding with non-blocking technology

IEEE 802.3u EEE Power Management

- Ultra power consumption efficiency, 30W fully loaded
- Energy Efficient Ethernet for low power requirement
- Idle power saving mode for energy efficiency

Rugged Mechanical Design

- Robust design protects from mechanical deformation
- IP40 industrial rating to withstand harsh environments
- Wide operating temperature range -40°C ~ +85°C
- IEC61000-6-2 /IEC61000-6-4 heavy industry EMS standards

Power protection

- Provide overload protection
- Provide reverse connection protection



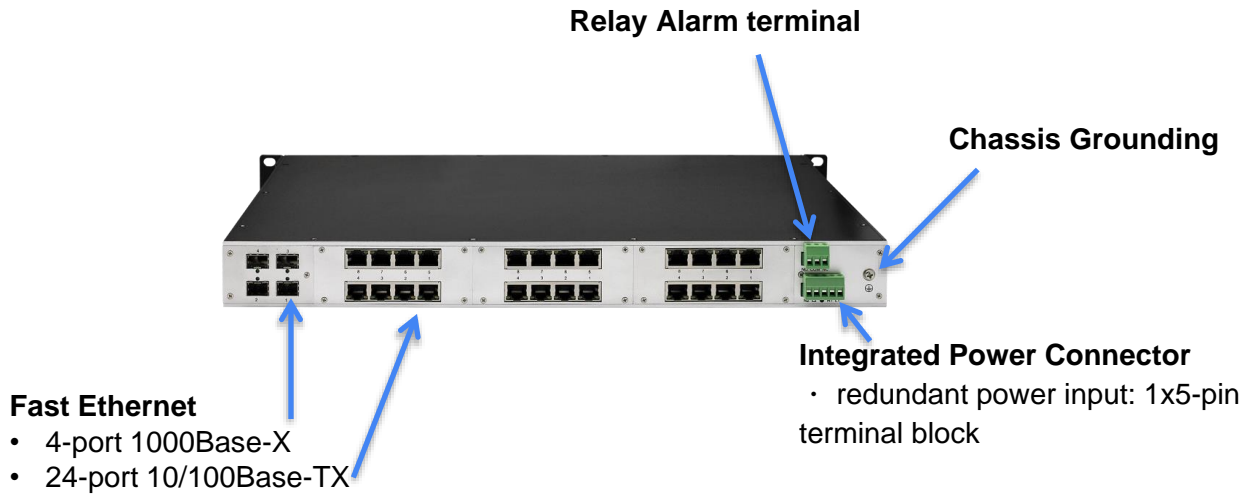
Order Information

| Model Name | Description |
|------------|--|
| 628GX4-SFP | 28-Port Fully Managed Industrial Ethernet Switch, 24 RJ45 10/100BaseT(X), 4 1000Base-X (SFP) , DIN-Rail, Dual Power Input 88-264 VAC, -40°C to +85°C |
| 628GX4-SC | 28-Port Fully Managed Industrial Ethernet Switch, 24 RJ45 10/100BaseT(X), 4 1000Base-X (Multimode, SC style connector) , DIN-Rail, Dual Power Input 88-264 VAC, -40°C to +85°C |

 Specifications

| | | |
|---|--|---------------------|
| Technology | | |
| Standard | IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3z, IEEE802.3ab, IEEE802.1Q, IEEE802.1p, IEEE802.1D, IEEE802.1W, IEEE802.1x | |
| Performance | | |
| Switch Technology | Store and Forwarding Technology | |
| Number of MAC Address | 8K | |
| Packet Buffer Memory | 3 MB | |
| Backplane bandwidth | 12.8 Gbps | |
| Forwarding rate | 148810pps/1488095pps | |
| Interface | | |
| Ethernet Port | 24 x 10/100BaseT(x)RJ-45, auto-MDI/MDI-X, 4 x 1000Base-X | |
| System LED | 2 x Power: Green On, 1 x DO Alarm: Red on, 1 x Run: Green On | |
| Ethernet Port LED | Link (Green On), Active (Green Blinking) | |
| Power Input | Pluggable 5-pin terminals (V-/N, V+/L, V-/N, V+/L) | |
| Power Requirement | | |
| Input Voltage | 110/220VAC(88~264VAC)/50-60Hz ,Redundant | |
| Reverse Polarity Protect | Yes | |
| Power Consumption | 30W | |
| Mechanical | | |
| Enclosure Material | Metal | |
| Dimension | 440 mm x 44 mm x 315 mm (W x H x D) without DIN Rail Clip | |
| Ingress Protection | IP40 | |
| Weight | ≤4440g | |
| Installation method | Rack-mounted | |
| Environmental | | |
| Operating Temperature & Humidity | -40°C ~ +85°C , 0%~95% Non- Condensing | |
| Storage Temperature | -40°C ~ +85°C | |
| MTBF | >2,000,000 hours | |
| Warranty | 5 years | |
| Standard | | |
| EMI | FCC Part 15, CISPR (EN55022) class A | |
| EMS | IEC(EN)61000-4-2(ESD) IEC(EN)61000-4-3(RS) IEC(EN)61000-4-4(EFT) IEC(EN)61000-4-5(Surge) IEC(EN)61000-4-6(CS) IEC(EN)61000-4-8 IEC 60068-2-27(Shock) IEC 60068-2-32(Freefall) | |
| 100Base FX | | |
| Multi Mode | AVC-SFP-FX-SX (550m) | Wavelength: 850 nm |
| | AVC-SFP-FX-S (2km) | Wavelength: 1310 nm |
| Single Mode | AVC-SFP-FX-10 (10km) | Wavelength: 1310 nm |
| 1000Base FX | | |
| Multi Mode | AVC-SFP-SX (550m) | Wavelength: 850 nm |
| | AVC-SFP-LX-S (2km) | Wavelength: 1310 nm |
| Single Mode | AVC-SFP-LX-10 (10km) | Wavelength: 1310 nm |

Function interface



Installation dimensions

