



AVCOMM®

# 4028GX4

# Datasheet

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



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## RACK-MOUNTED UNMANAGED INDUSTRIAL ETHERNET SWITCH

### 4028GX4

#### Rack-mounted 24+4G Gigabit Ethernet Switch

AVCOMM 4028GX4 Rack-mounted 24+4G Gigabit Ethernet Switch offers 4-port 1000Base-X and 24 10/100/1000M Auto Negotiation twisted pair cable ports, each supporting automatic MDI/MDIX function, which not only soothes the inconvenience of cable making and use, but also enables the “pluggable” installation. Both straight-through cable and crossover cable can connect any port of 4028GX4 to any port of other network devices. With energy-saving technology, by detecting network cable length and workload, signal intensity in 4028GX4 switch can be automatically adjusted, hence effectively reduce energy consumption. The product is convenient to be installed and highly cost-effective, thus an ideal choice for increasing the server running speed in application of video surveillance, and electrical OEMs.



#### Features & Benefits

##### Fast Ethernet Switching

- Twenty-four (24) 10/100/1000BaseT(X) RJ-45 ports and four (4) 1000BaseFX port
- 16K MAC address table
- Store and forwarding with non-blocking technology

##### IEEE 802.3u EEE Power Management

- Ultra power consumption efficiency, 30 W 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

##### Power protection

- Provide overload protection
- Provide reverse connection protection
- Provide multiple power input options, AC or DC or HV

#### Ordering Information

Model Name	Description
4028GX4	28-Port Industrial Unmanaged Ethernet Switch, 24 RJ45 10/100/1000BaseT(X), 4 SFP Slots 1000BaseSFP+, Rack-mounted, Dual Power Input 88-264VDC, -40°C to +85°C
4028GX4-AC	28-Port Industrial Unmanaged Ethernet Switch, 24 RJ45 10/100/1000BaseT(X), 4 SFP Slots 1000BaseSFP+, Rack-mounted, Single Power Input 88-264VAC, -40°C to +85°C
4028GX4-AC2	28-Port Industrial Unmanaged Ethernet Switch, 24 RJ45 10/100/1000BaseT(X), 4 SFP Slots 1000BaseSFP+, Rack-mounted, Dual Power Input 88-264VAC, -40°C to +85°C
4028GX4-AC-DC	28-Port Industrial Unmanaged Ethernet Switch, 24 RJ45 10/100/1000BaseT(X), 4 SFP Slots 1000BaseSFP+, Rack-mounted, Hybrid Power Input DC/AC, -40°C to +85°C

 Specifications

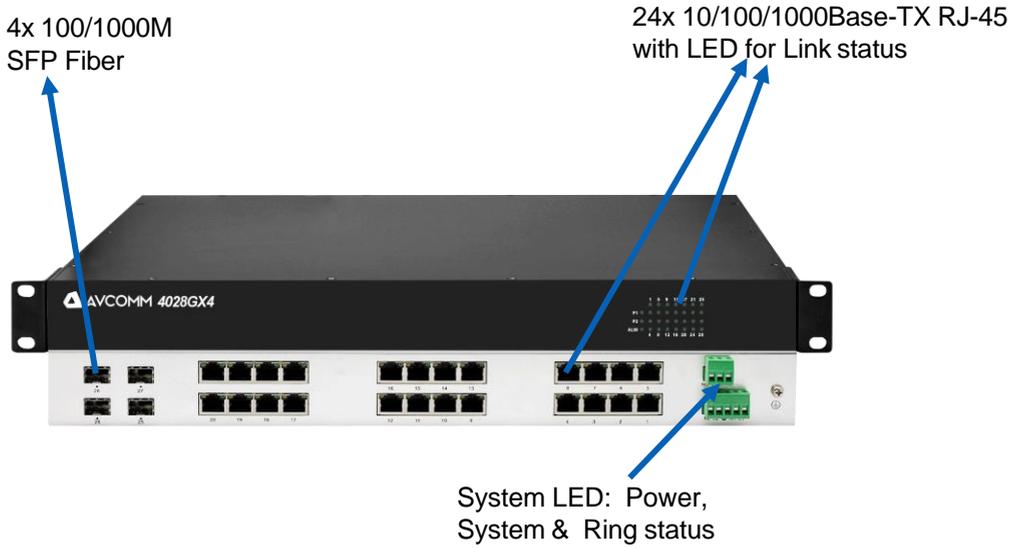
<b>Technology</b>	
<b>Standard</b>	IEEE 802.3, IEEE 802.3u, IEEE 802.3z, IEEE 802.3ab, IEEE 802.3x
<b>Performance</b>	
<b>Switch Technology</b>	Store and Forwarding Technology with non-blocking
<b>Number of MAC Address</b>	16K
<b>Packet Buffer Memory</b>	12 M Bytes
<b>Backplane bandwidth</b>	58 G
<b>Forwarding rate</b>	1488095pps
<b>Interface</b>	
<b>Ethernet Port</b>	24x 10/100/1000BaseT(x)RJ-45 , 4 x 1000Base FX, auto-MDI/MDI-X
<b>System LED</b>	2 x Power: Green On ; 1 x DO Alarm: Red On ; 4 x 1000Base FX: Green On; 24 x RJ 45: Green On
<b>Ethernet Port LED</b>	Link (Green On), Active (Green Blinking)
<b>Power Input</b>	1x 5-Pin Removable Terminal Connector for power input; 1x 3-Pin Removable Terminal Connector for relay output
<b>Power Requirement</b>	
<b>Input Voltage</b>	110/220VAC(88-264VAC)50-60Hz or 110/220VDC(88-264VDC), Redundant
<b>Reverse Polarity Protect</b>	Yes
<b>Power Consumption</b>	30 W
<b>Mechanical</b>	
<b>Enclosure Material</b>	Metal
<b>Dimension</b>	440 mm x 44 mm x 315 mm (W x H x D)
<b>Ingress Protection</b>	IP40
<b>Weight</b>	4440g
<b>Installation method</b>	rack mounted
<b>Environmental</b>	
<b>Operating Temperature &amp; Humidity</b>	-40°C ~ +85°C , 0%~95% Non- Condensing
<b>Storage Temperature</b>	-40°C ~ +85°C
<b>MTBF</b>	>2,000,000 hours
<b>Warranty</b>	5 years
<b>Standard</b>	
<b>EMI</b>	FCC Part 15 Subpart B class A, EN55022 class A
<b>EMS</b>	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)



## Specifications

100Base FX		
<b>Multi Mode</b>	AVC-SFP-FX-SX (550m)	Wavelength: 850 nm
	AVC-SFP-FX-S (2km)	Wavelength: 1310 nm
<b>Single Mode</b>	AVC-SFP-FX-10 (10km)	Wavelength: 1310 nm
1000Base FX		
<b>Multi Mode</b>	AVC-SFP-SX (550m)	Wavelength: 850 nm
	AVC-SFP-LX-S (2km)	Wavelength: 1310 nm
<b>Single Mode</b>	AVC-SFP-LX-10 (10km)	Wavelength: 1310 nm

## Function interface



## Installation dimensions

