

Model: SUS-24GE2C
Series: SAPPHIRE



Industrial Gigabit Unmanaged Ethernet Switch -24*10/100/1000Tx + 2* Gigabit Combo Ports



Rackmount switch with More Practicability

AADONA SUS-24GE2C advanced, industrial, hardened Gigabit Ethernet Switch with IP40 metal case consists of 24-port 10/100/1000Tx Ethernet ports and 2* Gigabit Combo Ports (2*10/100/1000Tx RJ45 and 2*100/1000 SFP Slot), thus, it operates reliably in heavy industrial demanding environments. Its IP40-rated metal case features 19" rack mounting characteristic.

Stable Performance under Difficult Environments

The SUS-24GE2C provides a high level of immunity against electromagnetic interference and heavy electrical surges which are usually found on plant floors or in curb-side traffic control cabinets. Being able to operate under the temperature range from -40 to 75 degrees C, the SUS-24GE2C can be placed in almost any difficult environment. The SUS-24GE2C also possesses an integrated power supply source of 90-264 V AC.

Robust Switch Performance

The SUS-24GE2C offers high-performance switch architecture. With 24 10/100/1000Mbps Gigabit Ethernet ports and 2* Gigabit Combo Ports (2*10/100/1000Tx RJ45 and 2*100/1000 SFP Slot) providing non-blocking switch fabric and wire-speed throughput and the 8K MAC address table, the SUS-24GE2C can perform wire-speed packets transfer without risk of packet loss. The flow control function enables the SUS-24GE2C to provide fast and reliable data transfer. The Gigabit port with 9.6K jumbo frame supported can handle extremely large amounts of data transmission in the industrial topology that forward data to central control room.

Plug and Play

All of the RJ45 copper interfaces in the SUS-24GE2C support 10/100/1000Mbps auto-negotiation for optimal speed detection through RJ45 Category 6, 5 or 5e cables. The standard auto-MDI/MDI-X support can detect the type of connection to any Ethernet device without requiring special straight or crossover cables.

- 24-port 10/100/1000Tx Ethernet ports
- 2* Gigabit Combo Ports (2*10/100/1000Tx RJ45 and 2*100/1000 SFP Slot)
- System Power Input: 90-264VAC
- IP40 Rugged Metal Case Design
- Rack Mounting
- Operating Temperature Range - STD: -10°C ~ 65°C, EOT: -40°C ~ 75°C

Applications

Industrial area switch for data collection and forwarding

The SUS-24GE2C is equipped with 24 10/100/1000Mbps ports that offer auto MDI / MDIX feature and 2* Gigabit Combo Ports (2*10/100/1000Tx RJ45 and 2*100/1000 SFP Slot) for Gigabit non-blocking switch fabric and the 8K MAC Address table so that it can perform wire-speed packets transfer without risk of packet loss. The Gigabit ports supporting 9.6K jumbo packet can handle large amounts of data transmission in a secure topology linking to a backbone switch or high-power servers. The SUS-24GE2C with the IP 40 metal shape is ideal for most heavy industrial demanding environments.

Basic	
Product Description	26-Port Industrial Gigabit Unmanaged Ethernet Switch -24*10/100/1000Tx + 2* Gigabit Combo Ports (2*10/100/1000Tx RJ45 and 2*100/1000 SFP Slot), 90-264VAC Power Input
Model Name	SUS-24GE2C
Product Family	Sapphire
Total No Of Ports	24+2 = 26
Warranty	5 Year Warranty Pack
Technology	
Standards	IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTX Fast Ethernet IEEE 802.3ab 1000BaseT IEEE 802.3z 1000Base-X Gigabit Fiber
Processing Type	Store and Forward
Protocol	CSMA/CD
Flow Control	IEEE 802.3x flow control, back pressure flow control
Switch Properties	
Switch Architecture	Back-Plane: Non-Blocking Switching Fabric
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port
Memory Buffer	4Mbits
Jumbo Frame	9.6Kbytes
MAC Table size	8K
Interface	
RJ45 Ports	26*10/100/1000BaseT(X), auto-negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
Gigabit Combo Port (Copper/SFP)	2*RJ45 Ports w/10/100/1000Tx Ethernet and 2*100/1000 SFP Slot
LED Indicators	PWR1, PWR2, Fault Ethernet Ports: On-Link/Flash-data transmitting SFP: Link/Active
Wavelength	Depends on SFP modules
Network Cable	10BaseT: 2-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 100-ohm (100m) 100BaseTX: 2-pair UTP/STP Cat. 5 cable EIA/TIA-568 100-ohm (100m) 1000BaseTX: UTP/STP Cat.5/5E cable; EIA/TIA-568 100-ohm (100m)
Power Requirements	
Power Supply	Internal AC Power Supply
Input Voltage	90-264VAC/47-63Hz
Overload Current Protection	Present (Slow-Blown Fuse)
Reverse Polarity Protection	Present
Power Consumption	24Watts
Mechanical Characteristics	
Housing	Metal, IP40 protection
Dimensions	440 x 44 x 200 mm (W x H x D)
Weight	Unit Weight: 2.8kg, Shipping Weight: 3.6kg
Mounting	19" Rack Mounting
Environmental Limits	
Operating Temperature	STD: -10°C ~ 65°C (14°F ~ 149°F); EOT: -40°C ~ 75°C (-40°F ~ 167°F)
Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)
Ambient Relative Humidity	5 to 95%, (non-condensing)
Regulatory Approvals	
Safety and Certifications	CE, EN, LVD, RoHS EN61000-4-5 (for RJ45 Port, Surge 6KV) EN 55032:2015 EN 55024:2010 + A1:2015 EN 61000-3-2:2014 EN 61000-3-3:2013 EN 60950 – 1:2006 ISO Standard: ISO 9001:2015 ISO 14001:2015 ISO 27001:2013
*All specifications are subject to change without notice.	



AADONA Communication Pvt Ltd
Corporate Headquarters

1st Floor, Phoenix Tech Tower, Plot No.14/46,
IDA-Uppal, Hyderabad, Telangana 500039
www.aadona.com
Toll Free No. : 1800 202 6599
contact@aadona.com

AADONA Communication Pvt Ltd
Production, Warehousing and Billing Center

7, SBI Colony, Mohaba Bazar, Hirapur Road,
Raipur Chhattisgarh, 492099
www.aadona.com
Toll Free No. : 1800 202 6599
contact@aadona.com

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