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6 Port Unmanaged Industrial Ethernet Switch, Model IES 104-2S A



The IES 102-2S A series is a performance and cost-effective Industrial Ethernet Switch that meet the high reliability requirements of industrial network operations. It is designed to extend the distance of a network by converting Fast Ethernet data between twisted pair cabling and multi-mode or single-mode fiber-optic cabling.

It features 2 x 100Base-X SFP Slot and 4 x 10/100Base-TX twisted-pair port. The SFP slots are MSA-complaint pluggable 155M SFP.

Features

- ✓ Provide 4 x 10/100Base-T(X)
- ✓ 2 x 100Base-X SFP Slot for Daisy-Chain
- ✓ RJ45 support auto MDI/MDI-X function
- ✓ Auto-negotiation speed, half/full-duplex
- ✓ Store-and-forward
- ✓ Max packet size: 2048bytes
- ✓ Support wide operating temperature (-40°C to +85°C)
- ✓ Wide-range redundant power design (12 to 56VDC)
- ✓ Power polarity reverse protect
- ✓ Overload current resettable fuse present
- ✓ IP-40 protection
- ✓ Provide 6KV Surge protection for Power & Ethernet ports
- ✓ Support Ethernet 8/15KV ESD protection
- ✓ DIN-Rail and Wall-Mounted Installation
- ✓ Low power consumption

Technical Specifications

Standards	IEEE802.3 10BaseT IEEE802.3u 100BaseTX IEEE802.3x Flow control and back pressure	
Performance	Processing Type	: Store and Forward
	Back Bandwidth	: 1.2Gbps
	MAC Address Size	: 2K
	Packet Buffer Size:	: 768Kbit
	Time Delay	: <10us
	Packet forwarding	: 0.89Mpps
	Frame	: 2048bytes
Copper Port	Data Rate	: 10/100M
	Connector	: RJ45 x 4
	Distance	: 100m
Fiber Port	Data Rate	: 155M
	Connector	: SFP slot
	Distance	: Up to SFP Transceivers
LED indicators	PWR, Link/ACT, Speed	

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Power	Input Voltage : 12 to 58 VDC, Redundant power inputs Power Consumption : ≤5W Protection : Overload Current, Reverse Polarity Connector : Terminal Block
Environment	Operating Temperature : -40°C to +85°C Storage Temperature : -40°C ~ +95°C Relative Humidity : 5-95% (no condensation)
Physical Characteristics	Housing : IP40 Protection, Aluminum Alloy Installation : DIN-rail mounting Dimension : 138*107*45mm Weight : 0.48kg

Standards and Certifications tested for

EMC	EN55032 Class A, FCC part 15 Subpart B C
	EN 61000-3-2: 2014
	EN 61000-3-3: 2013
	EN 61000-4-2: 2009
	EN 61000-4-3: 2006+A2: 2010
	EN 61000-4-4: 2012
	EN 61000-4-5: 2014
	EN 61000-4-6: 2014
	EN 61000-4-8: 2004
	EN 61000-4-11: 2004
LVD/Safety	EN62368
Shock	IEC 60068-2-27
Freefall	IEC 60068-2-32 0.5m
Vibration	IEC 60068-2-6

Order Code : IES 104-2S A

IES 104 : Unmanaged Switch with 4* 10/100Mbps Copper Ports
 2S : 2* 100Mbps SFP Ports
 A : Fixed