

IES21-SW4/2SCS**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

IES21 series industrial Ethernet switches are managed plug-and-play switches for fast Ethernet with rugged metal housing and IP40 protection level. This series supports various network managing functions including VLAN, QoS, SNMP, RMON, Flow Control, Port Mirroring, Alarm, etc. The combination of 100M copper ports and fiber ports will meet different industrial requirements.

- Compact housing
- 4 or 16 RJ45 100M copper ports, 1 to 3 SM/MM fiber ports
- Redundant power inputs: 24/48VDC(18~72VDC), 24/48VAC(18~50VAC)
- Operating temperature range : -40°C...+85°C

General ordering data

Version	4 * RJ45 10/100BaseT(X), 2 * SC Single-mode 100FX,Din-Rail(wall) mounting products, Managed IE Switch
Order No.	7760048041
Type	IES21-SW4/2SCS
GTIN (EAN)	6944169638428
Qty.	1 items
Delivery status	Discontinued
Local product	Only available in certain countries

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Technical data

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Dimensions and weights

Height	135 mm	Height (inches)	5.3149 inch
Width	53.6 mm	Width (inches)	2.1102 inch
Length	106.5 mm	Length (inches)	4.1929 inch
Net weight	760 g		

Temperatures

Storage temperature	-40 °C...+85 °C	Operating temperature	-40 °C...+85 °C
Humidity	5 to 95 % (non-condensing)		

Environmental Product Compliance

RoHS Compliance Status	Compliant
REACH SVHC	No SVHC above 0.1 wt%

Network Services/Firewall/Management

Management	Web interface, SNMP v1/v2/v3, W-NetManager, W-NetExplorer
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Approvals

EMI	FCC CFR47 Part 15, CISPR22 (EN 55022) Class A	EMS	IEC 61000-4-2 Electrostatic discharge: ±8kV contact discharge, ±15kV air discharge, IEC 61000-4-3 Radiated RFI: 10V/m (80MHz~1GHz), IEC 61000-4-4 Fast transient/burst: DC/AC power port: ±4kV; data port: ±2kV; IEC 61000-4-5 Surge: DC/AC power port: ±2kV (line-line), ±4kV (line-earth), IEC 61000-4-6 conducted RFI: DC/AC power port: 10V (150 kHz~80MHz)
Free fall	IEC 60068-2-32	Marine	GL (pending)
Power Industry	IEC61850-3 (pending), IEEE1613 (pending)	Railway	EN 50155, EN 50121-4
Traffic control	NEMA TS 2	EMC standards	CE, FCC
Shock resistance IEC 60068-2-27	Available	Vibration resistance IEC 60068-2-6	Available
General Industry	IEC61000-6-2	Security	UL508
Hazardous environment	UL1604 Class 1 Div 2 (pending)		

Cable

Twisted Pair	100 m (standard CAT5, CAT5e LAN cable)	Single-mode optic fibre	40 km, 1310 nm
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Power Supply

Overload protection	Yes	Reverse polarity protection	Yes
Input voltage	24V DC/AC (18~72 VDC / 18~50 VAC)	Power consumption	≤6.6 W
Connection type	5 pole 5.08mm pitch terminal block	Redundant power supply	Yes

Technology

Flow control	IEEE 802.3x flow control	Management	Web interface, SNMP v1/v2/v3, W-NetManager, W-NetExplorer
Data security	IEEE 802.1X, HTTPS, SSL, SSH, SNMP v3, port security (MAC address), TACACS+, access control list (ACL)	Diagnosis	IP/MAC conflict detection, LED (power supply, ring and port), RMON, Link Layer Discovery Protocol (LLDP IEEE802.1AB), port mirroring, syslog, virtual cable test (VCT), link check
Network structure	star, ring, line	VLAN	VLAN (IEEE802.1Q), PVLAN, GVRP
Network quality control	QoS(IEEE802.1p/1Q), TOS(Type of service)/DiffServ(Differentiated service), port speed limit, broadcast limiter, flow control(IEEE802.3x), SNTP	Redundancy	W-Ring (self-recovery time<20 ms), W-Ring+, MSTP(IEEE802.1s), STP/RSTP, Link Aggregation Control Protocol (IEEE802.3ad), power supply
Multicast	IGMP Snooping, GMRP, static multicast(MAC address)	Setting	Console interface, CLI, Web interface, Telnet, DHCP Option 82, DHCP client, FTP/TFTP

Environmental conditions

Humidity	5 to 95 % (non-condensing)
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Guarantee

Time interval	5 years
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Interfaces

Console port interface	Mini USB	Alarm contact	3 pole 5.08mm pitch terminal block, 220VDC Max, 2A Max, 60W Max
Number of ports	4 * RJ45 10/100BaseT(X), 2 * SC Single-mode 100FX	LED indicator	Operation LED: Run, Alarm LED: Alarm, Power LED: PWR1, PWR2, Ring LED: Ring, Port LED: Link/ACT, Speed (RJ45 port)

Switch characteristics

Priority queues	4	Max. number of available VLANs	256
VLAN-ID min	1	VLAN-ID max	4093
IGMP-Groups	256		

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Management	Web interface, SNMP v1/v2/v3, W-NetManager, W-NetExplorer	Number of ports	4 * RJ45 10/100BaseT(X), 2 * SC Single-mode 100FX
Housing main material	fanless, metal	Type of mounting	Rail, TS 35, Wall mounting
Protection degree	IP40		

Classifications

ETIM 8.0	EC000734	ETIM 9.0	EC000734
ETIM 10.0	EC000734	ECLASS 14.0	19-17-04-02
ECLASS 15.0	19-17-04-02		