

IES21-SW6/2SC

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	6x RJ45 10/100BaseT(X), 2 * SC Multi-mode 100FX, Din-Rail(wall) mounting products, Managed IE Switch
Order No.	7760048052
Type	IES21-SW6/2SC
GTIN (EAN)	6944 169638435
Qty.	1 pc(s).
Local product	Only available in certain countries

Creation date November 4, 2021 1:35:47 AM CET

Catalogue status 22.10.2021 / We reserve the right to make technical changes.

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Technical data

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Dimensions and weights

Height	135 mm	Height (inches)	5.315 inch
Width	53.6 mm	Width (inches)	2.11 inch
Length	106.5 mm	Length (inches)	4.193 inch
Weight	760 g	Net weight	760 g

Temperatures

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

Network Services/Firewall/Management

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

EMI		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)
	FCC CFR47 Part 15, CISPR22 (EN 55022) Class A		
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)	Multi-mode optic fibre	5 km, 1310 nm
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Technical data

Power Supply

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

Technology

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
Flow control	IEEE 802.3x flow control	Management	Web interface, SNMP v1/v2/v3, W-NetManager, W-NetExplorer
Multicast	IGMP Snooping, GMRP, static multicast(MAC address)	Network quality control	QoS(IEEE802.1p/1Q), TOS(Type of service)/DiffServ(Differentiated service), port speed limit, broadcast limiter, flow control(IEEE802.3x), SNTP
Network structure	star, ring, line	Redundancy	W-Ring (self-recovery time<20 ms), W-Ring+, MSTP(IEEE802.1s), STP/RSTP, Link Aggregation Control Protocol (IEEE802.3ad), power supply
Setting	Console interface, CLI, Web interface, Telnet, DHCP Option 82, DHCP client, FTP/TFTP	VLAN	VLAN (IEEE802.1Q), PVLAN, GVRP

Environmental conditions

Humidity	5 to 95 % (non-condensing)
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Guarantee

Time interval	5 years
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Interfaces

Alarm contact	3 pole 5.08mm pitch terminal block, 220VDC Max, 2A Max, 60W Max	Console port interface	Mini USB
LED indicator	Operation LED: Run, Alarm LED: Alarm, Power LED: PWR1, PWR2, Ring LED: Ring, Port LED: Link/ACT, Speed (RJ45 port)	Number of ports	6x RJ45 10/100BaseT(X), 2 * SC Multi-mode 100FX

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Technical data**Switch characteristics**

IGMP-Groups	256	Max. number of available VLANs	256
Priority queues	4	VLAN-ID max	4,093
VLAN-ID min	1		

Technical data

Housing main material	fanless, metal	Management	Web interface, SNMP v1/ v2/v3, W-NetManager, W- NetExplorer
Number of ports	6x RJ45 10/100BaseT(X), 2 * SC Multi-mode 100FX	Type of mounting	Rail, TS 35, Wall mounting

Classifications

ETIM 6.0	EC000734	ETIM 7.0	EC000734
ETIM 8.0	EC000734	ECLASS 9.0	19-17-01-06
ECLASS 9.1	19-17-01-06	ECLASS 10.0	19-17-04-02
ECLASS 11.0	19-17-04-02		

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