

**IEMS2000-28G-HV****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

IEMS2000 series gigabit modular layer 2 industrial Ethernet switches have outstanding management functions: Private VLAN, W-Ring with self-recovery time less than 20ms, MSTP, etc. Approved by CE, FCC, this series meets IEC61850-3, IEEE1613.

- Standard 1U height
- 4 or 28 gigabit Ethernet ports
- 48VDC or 220V AC/DC power supply input
- Flexible configuration with modules

**General ordering data**

Version	Max. 28 Gigabit Ethernet ports via data module, Max. 28 Fast Ethernet ports via data module,Rack mounting products, IEMS2000 Series
Order No.	<a href="#">7760048202</a>
Type	IEMS2000-28G-HV
GTIN (EAN)	6944 169651717
Qty.	1 pc(s).
Local product	Only available in certain countries

Creation date November 4, 2021 1:35:17 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	44 mm	Height (inches)	1.732 inch
Width	360 mm	Width (inches)	14.173 inch
Length	482.6 mm	Length (inches)	19 inch
Weight	7.6 kg	Net weight	10,000 g

### Temperatures

Storage temperature	-40 °C...+85 °C	Operating temperature	-40 °C...+85 °C
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### 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), IEC 61000-4-8 power frequency magnetic field: 100A/m (cont.), 1000A/m(1s~3s);, IEC 61000-4-9 pulse magnetic field: 1000A/m; IEC 61000-4-10 Damped oscillatory: 100A/m; IEC 61000-4-12 Oscillatory waves: DC/AC power port: 2.5kV/CM, 1kV/DM
Free fall	FCC CFR47 Part 15, CISPR22 (EN 55022) Class A	Power Industry	IEC61850-3 (pending), IEEE1613 (pending)
Railway	IEC 60068-2-32	Traffic control	NEMA TS 2
EMC standards	EN 50155, EN 50121-4	Shock resistance IEC 60068-2-27	Available
Vibration resistance IEC 60068-2-6	CE, FCC	General Industry	IEC61000-6-2
Security	Available	Hazardous environment	UL1604 Class 1 Div 2 (pending)
	UL508		

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## Technical data

## Cable

Twisted Pair	100 m (standard CAT5, CAT5e LAN cable)	Single-mode optic fibre	Fast Ethernet: 40 km, 1310 nm, Gigabit Ethernet: 10 km, 1310 nm; 40 km/60 km/80 km, 1550 nm (please refer to SFP types)
Multi-mode optic fibre	Fast Ethernet: 5 km, 1310 nm, Gigabit Ethernet: 550 m, 850 nm		

## Power Supply

Connection type	5 pole 5.08mm pitch terminal block	Input voltage	220V AC/DC (85~264 VAC / 77~370 VDC)
Overload protection	Yes	Power consumption	≤33.5 W
Redundant power supply	Yes	Reverse polarity protection	Yes

## Technology

Data security	IEEE 802.1X, HTTPS, SSH, SSL, SNMP v3, TACACS+, RADIUS, access control list (ACL), port security (MAC address)	Diagnosis	IP/MAC conflict detection, LED (power supply, ring and port), Link Layer Discovery Protocol (LLDP IEEE802.1AB), RMON, link check, port mirroring, syslog, virtual cable test (VCT)
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), STNP
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	Web interface, Console interface, CLI, Telnet, FTP/TFTP, DHCP Option 82, DHCP client	VLAN	VLAN (IEEE802.1Q), PVLAN, GVRP

## Guarantee

Time interval	5 years
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## Technical data

### Interfaces

Alarm contact	3 pole 5.08mm pitch terminal block, 220VDC Max, 2A Max, 60W Max	Console port interface	Mini USB
LED indicator	LEDs on front panel, Operation LED: Run, Power LED: PWR 1, PWR2, Port LED: Link/ACT, Speed, LEDs on rear panel, Port LED: Link/ACT, Speed (RJ45 port)	Module slot	1 x 1U height slot, 6 x 0.5U height slots
Number of ports	Max. 28 Gigabit Ethernet ports via data module, Max. 28 Fast Ethernet ports via data module		

### Switch characteristics

IGMP-Groups	256	Max. number of available VLANs	4,093
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	Max. 28 Gigabit Ethernet ports via data module, Max. 28 Fast Ethernet ports via data module	Type of mounting	1U 19' rack mounting, Cabinet

### 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	19-17-04-01
ECLASS 11.0	19-17-04-01		

### Downloads

Catalogues [Catalogues in PDF-format](#)