Marktübersicht: Ethernet-Switches für den Industrieeinsatz

		Switch-Typ			Ports					Management						Unterstützte Standards										
Hersteller	Produktname	Layer 2	Layer 3	sonstiger	Anzahl der RJ-Ports	Anzahl der Glas-faser-Ports	Unterstütze Steck-verbinder-typen	Max. Daten-rate bei Kupfer in MBit/s	Max. Daten-rate bei Glas-faser in MBit/s	Managed Switch	Web	Telnet	Windows	SNMP	sonstige Schnitt-stelle	10Base-T	100Base-TX	100Base-FX	1000Base-T	1000Base-SX	Flow Control	Link Aggregation	Spanning Tree	Multiple Spanning Tree	Rapid Spanning Tree	VLAN Tagging
Advantech	EKI-2525P	●			5		RJ45	100								●	●				●					
	EKI-7526MI	●			16	2	RJ45, SC	100	100							●	●	●			●					
	EKI-7659CPI	●			10	max. 2	RJ45, SFP	1.000	1.000	●	●	●	●	●		●	●	●	●	●	●	●	●		●	●
ARP	ARP Switch 8x 10/100-RJ45 Industrie	●			8		RJ45	100	100							●	●				●					●
Belden (Hirschmann)	Hirschmann 8-Port 10/100 RS20	●			8	2	RJ45, SC,	100	100	●	●	●	●	●	V.24	●	●	●								
	Openmice, Openrail, Spider	●		L3	1 - 28	1 - 24	SC, ST, MTRJ, SFP	10/100/ 1.000	10/100/ 1.000	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●
Black Box	Indry	●			8	max. 2	SFP	1.000	1.000	●	●	●		●	RS232	●	●	●	●	●	●	●	●	●	●	●
Digicomm	EX61000	●			4 - 10	2 - 4	SC, ST, LC (SFP)	1.000	1.000	●	●	●	●	●	RS232	●	●	●	●	●	●		●	●	●	●
Digitus	DN 60041	●		L2+	24	2	RJ45, SFP	1.000	1.000	●	●	●	●	●	RS232	●	●	●	●	●	●	●	●	●	●	●
Eks Engel	E-light 2M	●			4/6	4/2	SC, ST, E2000, SMA	100	100	●	●					●	●	●			●	●	●		●	●
Harting	Ha-Vis Econ 2000	●			3 - 16		RJ45	1.000	-							●	●		●							
	Ha-Vis Econ 3000	●			8	max. 2	RJ45, SC-D, ST	100	100							●	●	●								
	Ha-Vis Econ 4000	●			8		M12 D	100	-							●	●									
	Ha-Vis Econ 7000	●			5 - 10		M12, Han 3 A	1.000	-							●	●		●							
	Ha-Vis Econ 9000	●			8		M12 D	100	-							●	●									
	Ha-Vis FTS 3000	●			6 - 10	2	RJ45, SFP	1.000	100	●	●			●		●	●	●	●		●	●	●		●	●
	Ha-Vis Mcon 3000	●			8	2	RJ45, SFP	1.000	1.000	●	●			●		●	●	●	●	●	●	●	●		●	●
	Ha-Vis Mcon 4000	●			8		M12 D	100	-	●	●			●		●	●				●	●	●		●	●
	Ha-Vis Mcon 7000	●			5 - 10		M12, Han 3A	1.000	-	●	●			●	Meldek-ontakt	●	●		●		●	●	●		●	●
	Ha-Vis Mcon 9000	●			7		M12 D	100	-	●	●			●		●	●				●	●	●		●	●
	Ha-Vis Scon 3000	●			6 - 10	2	RJ45, SC, ST	1.000	100	●			●		USB	●	●	●	●							
	Econ 2000 Serie	●			3/4/ 5/16		RJ45	100								●	●									
	Econ 2050-AA (20 76 105 3001)	●			5		RJ45	1.000								●	●		●							
	Econ 3000	●			6/8/10	1/2	RJ45, SC-D, ST	100	100							●	●	●								
	Econ 7050-A1 (Econ 7050-B1)	●			5		Han 3 A RJ45, M12 D	100								●	●									
	Econ 7100	●			10		Han 3 A RJ45, M12 D	100/ 1.000								●	●		●							
	Mcon 3000	●			6/8/10	1/2/3	RJ45, SC-D, ST	100/ 1.000	100	●	●			●		●	●	●	●			●	●		●	●
	Mcon 7000	●			5/8/10		RJ45, M12 D	100/ 1.000		●	●			●		●	●		●							
	Scon 3000	●			6/8/10	1/2/3	RJ45, SC-D, ST	100/ 1.000	100						USB	●	●	●	●							
Icpdas	NS-205	●			5		RJ45	100								●	●									

	(IEEE 802.3, 802.1)	Stromversorgung							Technische Daten							
	sonstige	benötigte Versorgungsspannung in V	Leistungsaufnahme in W	interne Spannungsversorgung möglich	Anschluss an ext. Netzteil möglich	Stromversorgung redundant möglich	PoE-fähig (802.3af)	PoE+-fähig (802.3at)	Hutschienenmontage möglich	Abmessungen Breite × Tiefe × Höhe in mm	Gewicht in g	IP-Schutzart des Gehäuses	Betriebstemperatur von ... bis °C	Lagertemperatur von ... bis °C	Rel. Luftfeuchtigkeit beim Betrieb von ... bis %	sonstiges
		48 DC				●	●		●			30	-10 ... +60	-40 ... +85	5 ... 95	
		12 - 48 DC				●			●			30	-40 ... +75	-40 ... +85	5 ... 95	
		48 DC				●	●		●			30	-40 ... +75	-40 ... +85	5 ... 95	
		24	8	●	●	●			●	55 × 108 × 120		31	-10 ... +70	-25 ... +70	0 ... 95	
		24 DC (18 - 32)	26,2		●	●			●	71 × 131 × 111	400	20	0 ... +60	-40 ... +70	10 ... 95	
	1000Base-LX	9,6 - 60 DC		●	●	●	●	●	●							
	PoE	12 - 48	16,8		●	●	●		●	72 × 105 × 152	800	30	-10 ... +60		5 ... 95	Vier Modelle: 2 mit PoE, 2 ohne, 2 mit SNMP, 2 ohne
		12 - 48 DC	11		●				●	60 × 125 × 145	1.100	30	-20 ... + 70	-40 ... +85	5 ... 95	
		240 AC		●						430 × 250 × 44,5	3.500		0 ... +40	-40 ... +70	20 ... 85	
		12 - 70 DC	8		●	●			●	70 × 130 × 145	500		-40 ... +70	-40 ... +85	5 ... 95	
		9,6 - 36 DC			●	●			●	46,5 × 105 × 25,5/ 120 × 105 × 25,5	200 - 400	30	-40 ... +70	-40 ... +85	10 ... 95	UL 508, UL 60 950-1, DNV
		9,6 - 36 DC			●				●	23 × 130 × 100	600	30	-40 ... +70	-40 ... +85	10 ... 95	Zulassung: UL 508, UL 60 950-1, DNV, e1
		12 - 60, 50,4 - 137,5 DC			●	●	●		●	130 × 50 × 166	850	40	-40 ... +70	-40 ... +85	10 ... 95	e1 Zulassung
		12 - 60 DC			●	●			●	45 × 87 × 120/ 90 × 87 × 120	800/1.400	67	-40 ... +70	-40 ... +85	10 ... 95	
		8 - 60 DC			●					60,6 × 173,5 × 128,4	600	20	-40 ... +70	-40 ... +85	10 ... 95	e1 Zulassung
	Port Mirroring, NRT Bandwidth Control, Profinet CC-B, SD-Card Slot, MRP, IGMP Snooping, DHCP Option 82	9,6 - 60 DC			●	●			●	33 × 100 × 130/ 44 × 100 × 130	350/500	30	0 ... +55	-40 ... +85	10 ... 95	
	Port Mirroring, NRT Bandwidth Control, Profinet CC-B, SD-Card Slot, MRP, IGMP Snooping, DHCP Option 82	12 - 48 DC			●	●			●	44 × 100 × 130	500	30	-40 ... +70	-40 ... +85	10 ... 95	UL 508, UL 60 950-1, DNV
	Port Mirroring, NRT Bandwidth Control, IGMP Snooping, DHCP Option 82	12 - 60, 50,4 - 137,5 DC			●	●	●		●	130 × 50 × 166	850	40	-40 ... +70	-40 ... +85	10 ... 95	e1 Zulassung
	Port Mirroring, NRT Bandwidth Control, IGMP Snooping, DHCP Option 82	12 - 60 DC			●	●			●	45 × 87 × 120/ 90 × 87 × 120	800/1.400	67	-40 ... +70	-40 ... +85	10 ... 95	
	Port Mirroring, NRT Bandwidth Control, IGMP Snooping, DHCP Option 82	8 - 60 DC			●	●				60,6 × 173,5 × 128,4	600	20	-40 ... +70	-40 ... +85	10 ... 95	
	Meldekontakt, Port-Priorisierung, Port Mirroring, Scon-Ring- und Parallelredundanz, Ports abschaltbar	9,6 - 60 DC			●	●			●	60 × 104 × 132	600	30	-40 ... +70	-40 ... +85	10 ... 95	UL 508, UL 60 950-1, DNV
		24 (12 - 30 DC)							●	46,5 × 25,5 × 105/ 120 × 25,5 × 105	ca. 200/400	30	-10 ... +70	-40 ... +85	10 ... 95	Econ 2030-A, 2040-A, 2050-A, 2160-A
		24 (12 - 48 DC)							●	70 × 25,5 × 105	ca. 400	30	-10 ... +70	-40 ... +85	10 ... 95	
		24 (12 - 30/48 DC)							●	23 × 100 × 130	ca. 600	30/20	-10/-40 ... +70	-40 ... +85	10 ... 95	diverse Ausführungen
		24/48 (12 - 60 DC)							●	45 × 87 × 120	ca. 800	65/67	-40 ... +70	-40 ... +85	10 ... 95	
		24/48 (12 - 60 DC)								90 × 87 × 120	ca. 1.400	65/67	-40 ... +70	-40 ... +85	10 ... 95	
		24 (9,6 - 36 DC)							●	60 × 104 × 132	ca. 600	30/20	0 ... +70/- 40 ... +70	-40 ... +85	10 ... 95	diverse Ausführungen
		24/48 (12 - 60 DC)							●	45 × 87 × 120/ 90 × 87 × 120	ca. 800/1.400	65/67	-40 ... +70	-40 ... +85	10 ... 95	Robustes Metallgehäuse aus Zinkdruckguss
		24 (9,6 - 36 DC)							●	60 × 104 × 132	ca. 600	30/20	0 ... +70/- 40 ... +70	-40 ... +85	10 ... 95	Konf. über USB-Schnittstelle (PC)
		10 - 30 DC	1,2		●				●	32 × 99 × 77			-30 ... +75	-40 ... +85	10 ... 90	

Marktübersicht: Ethernet-Switches für den Industrieeinsatz

		Switch-Typ			Ports					Management						Unterstützte Standards										
Hersteller	Produktname	Layer 2	Layer 3	sonstiger	Anzahl der RJ-Ports	Anzahl der Glas-faser-Ports	Unterstütze Steck-verbinder-typen	Max. Daten-rate bei Kupfer in MBit/s	Max. Daten-rate bei Glas-faser in MBit/s	Managed Switch	Web	Telnet	Windows	SNMP	sonstige Schnitt-stelle	10Base-T	100Base-TX	100Base-FX	1000Base-T	1000Base-SX	Flow Control	Link Aggregation	Spanning Tree	Multiple Spanning Tree	Rapid Spanning Tree	VLAN Tagging
Kontron	Rackmount Switch CP6930-RM		●		12/24	2 + 6	SFP, SFP+, RJ45, M12	1.000	10.000	●	●	●		●		●	●		●		●	●	●	●	●	●
KTI Networks	KFS-0540	●			5		RJ45	100								●	●									
	KFS-0840	●			8		RJ45	100								●	●				●					
	KGD-600	●			5	1	RJ45, SFP	1.000	1.000							●	●		●	●	●					●
	KGD-802	●			8	2	RJ45, SFP	1.000	1.000	●	●					●	●	●	●	●	●		●		●	●
	KGD-802-P	●			8	2	RJ45, SFP	1.000	1.000	●	●					●	●		●	●	●		●		●	●
	KSD-103-A	●			2	1	RJ45, ST, SC	100	100							●	●	●								
	KSD-103-B	●			1	2	RJ45, ST, SC	100	100							●	●	●			●					
	KSD-541	●			5	1	RJ45, SFP	100	100							●	●	●								
	KSD-541-P	●			5	1	RJ45, SFP	100	100							●	●	●			●					
	KSD-800	●			8	1/2	RJ45, ST, SC	100	100							●	●	●								
	KSD-800M	●			8	1/2	RJ45, ST, SC	100	100	●	●	●		●		●	●	●								
	KGD-802-P	●			8	2	LC	1.000	1.000	●	●			●		●	●		●	●	●	●	●	●	●	●
	Fast Ethernet Industrial Switches	●			1 - 8	1 - 2	ST, SC	100	100							●	●	●			●					
	Gigabit Industrie Switch managebar	●			8			1.000		●	●			●	v2x MIB-II	●	●		●		●		●		●	●
Laser 2000	Indirail 4x1 unmanaged POE	●			4	1	RJ45, SC, ST	100	100							●	●	●								
	Indirail 4x4 E2	●			4/6	4/2	E2000, SC, ST, SMA	100	100	●	●					●	●	●			●	●	●		●	●
	Indirail Gigabit 4x4	●			4	4	RJ45, SFP	1.000	1.000	●	●	●	●	●		●	●	●	●	●	●	●	●			●
Microsens	Industrie Switch Entry-Line	●			4	1	SFP	1.000	1.000							●	●	●	●	●	●					
	Industrie Switch G6	●			9/11	2 - 4	SC, ST, E2000, LC (SFP)	1.000	1.000	●	●	●	●	●	SSH, HTTPS, TFTP, SFTP	●	●	●	●	●	●		●		●	●
	Industrie Switch Profi-Line Serie	●			9 + 2	2 + 2	SC, ST, E2000, SFP	1.000	1.000	●	●	●	●	●	SSH, HTTPS, SFTP	●	●	●	●	●	●		●		●	●
	Entryline	●			5 - 8	1	LC	1.000	1.000							●	●		●	●						
Moxa	EDS-518A	●			18	max. 3	RJ45, SFP	1.000	1.000	●	●	●	●	●		●	●	●	●		●	●	●	●	●	●
	EDS-619	●			max. 19	max. 19	RJ45, SC, ST, SFP	1.000	1.000	●	●	●	●	●		●	●	●	●		●	●	●	●	●	●
	EDS-G205	●			5		RJ45	1.000								●	●		●		●					
	EDS-G509	●			9	max. 5	RJ45, SFP	1.000	1.000	●	●	●	●	●												
	EDS-P206A-4PoE	●			6	max. 2	RJ45, SC, ST	100	100							●	●	●			●					
	EDS-P506-4PoE	●			6	2	RJ45, SC, ST	100	100	●	●	●	●	●		●	●	●			●	●	●	●	●	●
N-Tron	1005TX	●			5		RJ45	1.000								●	●		●							
	105FX-POE	●			4	1	RJ45, ST, SC	100	100							●	●	●								
	112FX4	●			8	4	RJ45, ST, SC	100	100							●	●	●								
	7026TX		●		24	2	RJ45, LC	100	1.000	●	●	●	●	●	CIP Mes-saging	●	●			●	●		●	●	●	●
	708TX		●		8		RJ45	100		●	●	●	●	●	CIP Mes-saging	●	●				●		●	●	●	●
	714FX6		●		8	6	RJ45, ST, SC	100	100	●	●	●	●	●	CIP Mes-saging	●	●	●			●		●	●	●	●
	7506GX2		●		4	2	RJ45, LC	1.000	1.000	●	●	●	●	●	CIP Mes-saging	●	●		●	●	●		●	●	●	●

	(IEEE 802.3, 802.1)	Stromversorgung							Technische Daten							
	sonstige	benötigte Versorgungsspannung in V	Leistungsaufnahme in W	interne Spannungsversorgung möglich	Anschluss an ext. Netzteil möglich	Stromversorgung redundant möglich	PoE-fähig (802.3af)	PoE+-fähig (802.3at)	Hutschienenmontage möglich	Abmessungen Breite × Tiefe × Höhe in mm	Gewicht in g	IP-Schutzart des Gehäuses	Betriebstemperatur von ... bis °C	Lagertemperatur von ... bis °C	Rel. Luftfeuchtigkeit beim Betrieb von ... bis %	sonstiges
		110/230 AC, opt. 24/48 DC	max. 60			●				445 × 45 × 300/ 445 × 90 × 300	5.200/ 6.600	20	0 ... +55	-40 ... +85		
		5 - 30 DC	2,15		●				●	40 × 95 × 80			-10 ... +70	-20 ... +85	10 ... 90	
		5 - 30 DC	2,3		●				●	40 × 95 × 80			-10 ... +70	-20 ... +85	10 ... 90	
		5 - 30 DC	3,6		●				●	144 × 104.5 × 26			-20 ... +70	-20 ... +85	10 ... 90	
		6,5 - 60 DC	9		●					140 × 106 × 40			-20 ... +60	-20 ... +85	10 ... 90	
	PoE	6,5 - 60 DC	9/70		●		●		●	140 × 106 × 40			-20 ... +60	-20 ... +85	10 ... 90	
		7 - 50 DC	4		●				●	95 × 82 × 28			-20 ... +70	-20 ... +85	5 ... 95	
		7 - 50 DC	4		●				●	95 × 82 × 28			-20 ... +70	-20 ... +85	5 ... 95	
		6 - 75 DC	4		●				●	144 × 104,5 × 26			-20 ... +70	-20 ... +85	10 ... 90	
	PoE	6 - 57 DC	4/70		●		●		●	144 × 104,5 × 26			-20 ... +70	-20 ... +85	10 ... 90	
		7 - 30 DC	7,3		●				●	140 × 106 × 40			-20 ... +70	-20 ... +85	5 ... 95	
		7 - 30 DC	7,3		●				●	140 × 106 × 40			-20 ... +70	-20 ... +85	5 ... 95	
	VLAN, QoS	6 - 48	max. 70		●		●		●	140 × 106 × 40			-20 ... +60	-20 ... +85	10 ... 90	
		7 - 30 DC	7,3		●	●			●			30	-20 ... +70	-20 ... +85	5 ... 95	4-poliger Klemmenblock
		6,5 - 60 DC			●	●	●		●	140 × 106 × 40		30	-20 ... +60	-20 ... +85	5 ... 95	4-poliger Klemmenblock
		48	4,6		●	●	●		●	30 × 95 × 140	640	30	-40 ... +65	-40 ... +85	5 ... 95	
		12 - 70 DC	8		●	●			●	70 × 130 × 145	500		-40 ... +70	-40 ... +85	5 ... 95	
		12 – 48	13		●	●			●	59,6 × 105 × 152	1814	30	-40 ... +75	-40 ... +85	5 ... 95	
		12 - 48	-		●	●			●	30 × 95 × 140	-	20	-10 ... +60	-40.. +85	5 ... 95	-
	IPv6, DHCP, RADIUS	18 - 57	10 - 200		●	●	●	●	●	72 × 120 × 120	ca. 850	30	-40 ... +75	-40.. +85	5 ... 85	
	IPv6, DHCP, RADIUS	18 - 57	10 - 200		●	●	●	●	●	72 × 120 × 120	ca. 850	30	-40 ... +75	-40.. +85	5 ... 90	-
		12 - 48			●	●			●	72 × 105 × 152		20	0 ... +60	-40.. +85	5 ... 95	
		24 (12 - 45 DC)				●			●			30	-40 ... +75	-40.. +85	5 ... 95	
		12/24/48 DC				●			●				-40 ... +75	-40.. +85	5 ... 95	
		12/24/48 (9,6 - 60 DC)				●			●			30	-40 ... +75	-40.. +85	5 ... 95	
		12/22/48 DC				●			●			30	-40 ... +75	-40.. +85	5 ... 95	
		24/48 (20 - 60 DC)				●	●	●	●			30	-40 ... +75	-40.. +85	5 ... 95	
		24/48 (20 - 60 DC)				●	●	●	●			30	-40 ... +75	-40.. +85	5 ... 95	
		10 - 30	6	●	●	●			●	26 × 94 × 102	300		-40 ... +85	-40 ... +85	10 ... 95	
		46 -49	77	●	●	●	●		●	38 × 90 × 97	300		-40 ... +85	-40 ... +85	10 ... 95	
		10 - 49	11	●	●	●			●	79 × 115 × 108	730		-40 ... +80	-40 ... +85	5 ... 95	
	N-Ring, N-Link, QoS, DHCP Server, Option 82 Relay, Option 61, IP Fallback	18 - 49	15	●	●	●				409 × 137 × 46	2500		-40 ... +80	-40 ... +85	5 ... 95	
	N-Ring, N-Link, QoS, DHCP Server, Option 82 Relay, Option 61, IP Fallback	10 - 30	6		●	●			●	153 × 96 × 58	800		-40 ... +85	-40 ... +85	5 ... 95	
	N-Ring, N-Link, QoS, DHCP Server, Option 82 Relay, Option 61, IP Fallback	10 - 49	15	●	●	●			●	79 × 115 × 108	800		-40 ... +70	-40 ... +85	5 ... 95	
	N-Ring, N-Link, QoS, DHCP Server, Option 82 Relay, Option 61, IP Fallback	10 - 49	11	●	●	●			●	51 × 99 × 96	480		-40 ... +80	-40 ... +85	5 ... 95	

Marktübersicht: Ethernet-Switches für den Industrieeinsatz

		Switch-Typ			Ports					Management						Unterstützte Standards										
Hersteller	Produktname	Layer 2	Layer 3	sonstiger	Anzahl der RJ-Ports	Anzahl der Glas-faser-Ports	Unterstütze Steck-verbinder-typen	Max. Daten-rate bei Kupfer in MBit/s	Max. Daten-rate bei Glas-faser in MBit/s	Managed Switch	Web	Telnet	Windows	SNMP	sonstige Schnitt-stelle	10Base-T	100Base-TX	100Base-FX	1000Base-T	1000Base-SX	Flow Control	Link Aggregation	Spanning Tree	Multiple Spanning Tree	Rapid Spanning Tree	VLAN Tagging
Primation	P-Ex 1003GX2	●			1	2	ST	1.000	1.000							●	●		●	●						
	P-Ex 1005TX	●			5			1.000								●	●		●							
Ruggedcom	I800	●			8	3	RJ45, LC	1.000	1.000	●	●	●		●	SSH, CLI	●	●	●	●	●	●	●	●	●	●	●
	RS900	●			9	3	RJ45, ST, LC, SC, MTRJ	100	100	●	●	●		●	SSH, CLI	●	●	●			●	●	●	●	●	●
	RSG2300	●			32	8	RJ45, SFP, ST, LC, SC, MTRJ	1.000	1.000	●	●	●		●	SSH, CLI	●	●	●	●	●	●	●	●	●	●	●
	RX1500		●		36	36	RJ45, SFP, ST, LC, SC, MTRJ	1.000	1.000	●	●			●	SSH	●	●	●	●	●	●	●	●	●	●	●
Siemens	Scalance X-000, X-100, X-200, X-300, X-400, X-500		●	L2	max. 52	max. 52	RJ45, M12, BFOC, SC, LC	1.000	10.000	●	●	●		●	Meldek-ontakt	●	●	●	●	●	●	●	●	●	●	●
Transition Networks	Sisgm1040-244-LRT	●			4	4	RJ45, SFP	1.000	1.000	●	●	●	●	●		●	●	●	●	●	●	●	●			●
	Sistf1013-241-LRT	●			4	1	RJ45, SC, ST	100	100							●	●	●								
Wago	7/2-Port 100Base-TX/FX Industrial-Managed-Switch 852-104	●			7	2	LC, RJ45	100	100	●	●	●		●		●	●	●			●	●	●		●	●
Weidmüller	Basicline/Valueline unmanaged Switches	●			5 - 16	1 - 3	SC, ST, LC (SFP)	1.000	1.000							●	●	●	●	●	●					
	Valueline/Premiumline managed Switches		●		8 - 18	2/3/4/5	SC. ST, LC (SFP)	1.000	1.000	●	●	●	●	●	RS232 (RJ45)	●	●	●	●	●	●	●	●		●	●
	Basicline unmanaged Switches Fast Ethernet	●			4 - 8	1 - 2	SC, ST	100	100							●	●	●			●					
	IE-SW-BL05T-5TX	●			5			100							DIP-Schalter	●	●				●					
Wieland	Wienet	●			8	2	RJ45, LWL	1.000	100	●	●		●	●		●	●	●	●	●	●					

	(IEEE 802.3, 802.1)	Stromversorgung							Technische Daten							
	sonstige	benötigte Versorgungsspannung in V	Leistungsaufnahme in W	interne Spannungsversorgung möglich	Anschluss an ext. Netzteil möglich	Stromversorgung redundant möglich	PoE-fähig (802.3af)	PoE+-fähig (802.3at)	Hutschienenmontage möglich	Abmessungen Breite × Tiefe × Höhe in mm	Gewicht in g	IP-Schutzart des Gehäuses	Betriebstemperatur von ... bis °C	Lagertemperatur von ... bis °C	Rel. Luftfeuchtigkeit beim Betrieb von ... bis %	sonstiges
		10 - 30	5	●	●	●				380 × 56 × 140	4.500 - 7.200	64	-40 ... +80	-40 ... +85	10 ... 95	Kein zus. Ex-Schutzgehäuse erf.
		10 - 30	6	●	●	●				380 × 56 × 140	4.500 - 7.200	64	-40 ... +80	-40 ... +85	10 ... 95	Kein zus. Ex-Schutzgehäuse erf.
	eRSTP, RADIUS	10 - 36 DC	9		●	●			●	51 × 89 × 114	1.000	40	-40 ... +85	-40 ... +85	5 ... 95	
	eRSTP, RADIUS	24/48/88 - 300 DC, 85 - 264 AC	10	●	●	●			●	66 × 127 × 188	1.220	40	-40	+85	5 ... 95	
	eRSTP, RADIUS	24/48/88 - 300 DC, 85 - 264 AC	32	●	●	●	●		●	441 × 315 × 44	5.200	40	-40	+85	5 ... 95	
	eRSTP, RADIUS	24/48/88 - 300 DC, 85 - 264 AC	max. 40	●	●	●			●	441 × 302 × 44	4.670	40	-40	+85	5 ... 95	
	Profinet	24		●	●	●	●	●	●			20 - 65	-40 ... +85			
	IEEE 802.1X (RADIUS), X-Ring, Couple Ring and Dual Ring Topology, Recovery Time < 20 ms, IGMP, IEEE 802.1p Class of Service	12 - 48 DC, 18 - 30 AC	13		●	●			●	59,6 × 105 × 152	1.814	30	-40 ... +75	-40 ... +85	5 ... 95	Backplane 16 GBit/s, Port Security, Life-time Warranty
		12 - 48	3,3		●	●			●	30 × 195 × 140	900	30	-40 ... +75	-40 ... +85	5 ... 95	Backplane 1 GBit/s, Autocross, Auto-Negotiation, IEC60068-2-32, IEC60068-2-27, IEC60068-2-6, Life-time Warranty
		24	8,4			●			●	50 × 162 × 120	1.050	30	0 ... +60	-20 ... +80	max. 95	
		9,6 - 60 DC, 18 - 30 AC			●	●	●	●	●			30	-40 ... +75	-40 ... +85	5 ... 95	Zulassungen: UL508, C1D2, ATEX Zone 2, DNV, GL, 5 J. Gewährl.
	Class of Service, RADIUS, IGMP v1/v2, GMRP, GVRP, SNMP v1/v2c/v3, DHCP Server/Client, BootP, TFTP, SNTP, SMTP, RARP, RMON, HTTP, HTTPS, Telnet, Syslog, DHCP Option 66/67/82, SSH, SNMP Inform, Modbus/TCP, LLDP, IEEE 1588 PTP, IPv6	12 - 45 DC			●	●	●	●	●			30	0 ... +60/-40 ... +75	-40 ... +85	5 ... 95	Zulassungen: UL508, C1D2, ATEX Zone 2, DNV, GL, 5 J. Gewährl.
		12/24/48/9,6 – 60 DC, 18 – 30 AC			●	●			●		175	30	0 ... +60	0 ... +60	5 ... 95	abnehmbarer 4-poliger Klemmenblock
		12/24/48/9,6 – 60 DC, 18 – 30 AC			●	●			●	30 × 70 × 115	175	30	-40	+75	5 ... 95	abnehmbarer 4-poliger Klemmenblock
		9 - 30			●	●	●	●	●			40 - 50	-10 ... +70	-20 ... +70		

Anbieterübersicht: Ethernet-Switches für den Industrieeinsatz

Hersteller/Anbieter	Telefon	Produkt	Preis (€)
Advantech/Sphinx	06201/75437	EKI-2525P	k.A.
		EKI-7526MI	k.A.
		EKI-7659CPI	k.A.
ARP	06074/491100	ARP Switch 8x 10/100-RJ45 Industrie	k.A.
Belden (Hirschmann)/ Pan Dacom	06103/932114	Hirschmann 8-Port 10/100 RS20	k.A.
Belden (Hirschmann)/ SKM Skyline	040/181423-80	Openmice, Openrail, Spider	k.A.
Black Box	0811/5541-110	Indry	ab 249
Digicomm	02131/66908-0	EX61000	k.A.
Digitus/Inf. Michael Jeschak	02336/9386-30	DN 60041	215
Eks Engel	02762/9313-60	E-light 2M	k.A.
Harting	0571/8896-0	Ha-Vis Econ 2000	k.A.
		Ha-Vis Econ 3000	k.A.
		Ha-Vis Econ 4000	k.A.
		Ha-Vis Econ 7000	k.A.
		Ha-Vis Econ 9000	k.A.
		Ha-Vis FTS 3000	k.A.
		Ha-Vis Mcon 3000	k.A.
		Ha-Vis Mcon 4000	k.A.
		Ha-Vis Mcon 7000	k.A.
		Ha-Vis Mcon 9000	k.A.
		Ha-Vis Scon 3000	k.A.
Harting/Börsig	07132/9393-0	Econ 2000 Serie	k.A.
		Econ 2050-AA (20 76 105 3001)	k.A.
		Econ 3000	k.A.
		Econ 7050-A1 (Econ 7050-B1)	k.A.
		Econ 7100	k.A.
		Mcon 3000	k.A.
		Mcon 7000	k.A.
		Scon 3000	k.A.
Icpdas/Spectra	07121/14321-20	NS-205	71
Kontron/Sams Network	08165/77-777	Rackmount Switch CP6930-RM	k.A.
KTI Networks/Avanis	0521/26012-0	KFS-0540	103
		KFS-0840	116
		KGD-600	324
		KGD-802	416
		KGD-802-P	466
		KSD-103-A	ab 188
		KSD-103-B	ab 286
		KSD-541	129
		KSD-541-P	176
		KSD-800	ab 162
		KSD-800M	ab 240
KTI Networks/Deltec	0351/43039-35	KGD-802-P	359

Hersteller/Anbieter	Telefon	Produkt	Preis (€)
KTI Networks/Fega & Schmitt	089/901099-0	Fast Ethernet Industrial Switches	k.A.
		Gigabit Industrie Switch managebar	369
Laser 2000	08153/405-0	Indirail 4x1 unmanaged POE	330
		Indirail 4x4 E2	k.A.
		Indirail Gigabit 4x4	810
Microsens	02381/9452-0	Industrie Switch Entry-Line	k.A.
		Industrie Switch G6	k.A.
		Industrie Switch Profi-Line Serie	k.A.
Microsens/ Eku Kabel & Systeme	02327/608-0	Entryline	k.A.
Moxa/Sphinx	06201/75437	EDS-518A	k.A.
		EDS-619	k.A.
		EDS-G205	k.A.
		EDS-G509	k.A.
		EDS-P206A-4PoE	k.A.
		EDS-P506-4PoE	k.A.
N-Tron/Primation	089/462600	1005TX	k.A.
		105FX-POE	k.A.
		112FX4	k.A.
		7026TX	k.A.
		708TX	k.A.
		714FX6	k.A.
		7506GX2	k.A.
Primation	089/462600	P-Ex 1003GX2	k.A.
		P-Ex 1005TX	k.A.
Ruggedcom	0711/72247520	I800	k.A.
		RS900	k.A.
		RSG2300	k.A.
		RX1500	k.A.
Siemens	0911/895-5305	Scalance X-000, X-100, X-200, X-300, X-400, X-500	k.A.
Transition Networks/ Laser 2000	08153/405-0	Sisgm1040-244-LRT	810
		Sistf1013-241-LRT	230
Wago	0571/887-0	7/2-Port 100Base-TX/ FX Industrial-Managed-Switch 852-104	k.A.
Weidmüller	05231/1428-0	Basicline/Valueline unmanaged Switches	k.A.
		Valueline/Premiumline managed Switches	k.A.
Weidmüller/Fega & Schmitt	089/901099-0	Basicline unmanaged Switches Fast Ethernet	k.A.
		IE-SW-BL05T-5TX	99
Wieland	0951/9324-900	Wienet	k.A.