

Rugged Industrial Solutions



TRENDnet industrial switch and fiber solutions provide dependable and hardened networking hardware for your industrial environments. With an enclosure rating of IP30/IP40, TRENDnet's industrial networking hardware is designed to withstand a high degree of vibration and shock, and extreme heat or cold.



Sample NEMA box application

Industrial switches are often used with NEMA electrical enclosures.

NEMA boxes not available through TRENDnet

Français:

Les solutions de switches industriels et de fibres TRENDnet fournissent un matériel réseau fiable et renforcé à vos environnements industriels. Avec un indice de protection IP30/IP40, le matériel de mise réseau industriel de TRENDnet est conçu pour résister à un degré élevé de vibrations et de chocs, ainsi qu'à la chaleur ou au froid extrême.

Deutsch:

Industrielle Switch- und Glasfaserlösungen von TRENDnet bieten zuverlässige und robuste Netzwerkhardware für Ihre industrielle Umgebung. Mit einer Gehäuseschutzklasse von IP30/IP40 ist die industrielle Netzwerkhardware von TRENDnet so ausgelegt, dass sie einem hohen Grad an Vibration und Schock sowie extremer Hitze oder Kälte standhält.

Português:

As soluções de fibra e switches industriais da TRENDnet fornecem um hardware de rede robusto e confiável para seus ambientes industriais. Com uma classificação de gabinete IP30/IP40, o hardware de rede industrial da TRENDnet foi projetado para suportar um alto grau de vibração, choque e calor ou frio extremos.

Español:

Las soluciones de switches industriales y de fibra de TRENDnet ofrecen un hardware de red confiable y robusto para entornos industriales. Con su carcasa con calificación IP30/IP40, el hardware de red industrial de TRENDnet está concebido para resistir un alto grado de vibraciones y golpes, así como un calor y un frío extremos.

Industrial Solutions



	Industrial L2 Managed PoE+		Industrial Web Smart	
	TI-PG541i	TI-PG1284i	TI-G160WS	TI-PG102WS
Ports	4 x Gigabit PoE+, 1 x gigabit, 1 x SFP	8 x Gigabit PoE+, 4 x gigabit SFP, 1 x console	16 x Gigabit	8 x Gigabit PoE+, 2 x gigabit SFP
PoE budget	120W	240W	-	240W @ 48V input / 124W @ 24V input
Max. power per port	30W	30W	-	30W
Switching fabric	12Gbps	24Gbps	32Gbps	20Gbps
RAM buffer	128MB	128MB	128MB	128MB
Forwarding rate	8.93Mpps	17.86Mpps	23.8Mpps	14.8Mpps
MAC address table	8K	16K	8K	8K
VLAN	Port-based, 802.1Q, mac-based, port isolation	802.1Q, port-based, mac-based, Q-in-Q VLAN, port isolation	Port-based, 802.1Q, mac-based, port isolation	
ACL	L2, L3, L4	L2, L3, L4	L2, L3, L4	L2, L3, L4
IPv6	-	IPv6 static IP address, DHCPv6 client	-	-
802.1ab LLDP	✓	✓	✓	✓
802.1X	-	✓	✓	✓
Spanning tree	-	STP, RSTP, MSTP	STP, RSTP	STP, RSTP
Multicast (IGMP)	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3
SNMP	v1, v2c	v1, v2c, 3	v1, v2c, v3	v1, v2c, v3
Port based link aggregation	-	✓	✓	-
Temperature	-40° – 75° C (-40° – 167° F)	-40° – 75° C (-40° – 167° F)	-40° – 75° C (-40° – 167° F)	-40° – 75° C (-40° – 167° F)
Housing	IP30	IP30	IP30	IP30
Rackmount	DIN-Rail	DIN-Rail	DIN-Rail	Wall / DIN-Rail
Power supply	Power supply required (48VDC3000 / TI-S24048 / TI-S12048)	Power supply required (TI-S24048)	Power supply required (TI-S12048)	Power supply required (TI-S24048)
Warranty	Lifetime*	Lifetime*	Lifetime*	Lifetime*



	Industrial SFP Modules		
	TI-MGBSX	TI-MGBS10	TI-MGBS40
Fiber mode	Multi	Single (10km)	Single (40km)
Warranty	3 year	3 year	3 year

*See warranty policy at TRENDnet.com

Industrial Solutions



	UPoE	Industrial Gigabit PoE+ Switches				Variable Voltage	Industrial Gigabit Switches			
	TI-UPG62	TI-PG102	TI-PG80	TI-PG62	TI-PG541	TI-PG62B	TI-G102	TI-G80	TI-G62	TI-G50
Ports	4 x Gigabit UPoE, 2 x SFP	8 x Gigabit PoE+, 2 x shared gigabit (RJ-45/SFP)	8 x Gigabit PoE+	4 x Gigabit PoE+, 1 x SFP, 1 x shared gigabit (RJ-45/SFP)	4 x Gigabit PoE+, 1 x gigabit, 1 x SFP	4 x Gigabit PoE+, 2 x SFP	8 x Gigabit, 2 x shared gigabit (RJ-45/SFP)	8 x Gigabit	4 x Gigabit, 1 x SFP, 1 x shared gigabit (RJ-45/SFP)	5 x Gigabit
PoE budget	240W	240W	200W	120W	120W	60 – 120W	-	-	-	-
Max. power per port	60W	30W	30W	30W	30W	30W	-	-	-	-
Switching fabric	12Gbps	20Gbps	16Gbps	12Gbps	12Gbps	12Gbps	20Gbps	16Gbps	12Gbps	10Gbps
RAM buffer	1MB	2MB	1MB	1MB	512KB	1MB	2MB	1MB	1MB	1MB
MAC address table	1K	16K	8K	1K	8K	1K	16K	8K	2K	8K
Temperature	-40° – 75° C (-40° – 167° F)		-40° – 75° C (-40° – 167° F)		-40° – 75° C (-40° – 167° F)		-40° – 75° C (-40° – 167° F)		-40° – 75° C (-40° – 167° F)	
Housing	IP30	IP30	IP30	IP30	IP30	IP30	IP30	IP30	IP30	IP30
Rackmount	Wall / DIN-Rail	Wall / DIN-Rail	Wall / DIN-Rail	Wall / DIN-Rail	DIN-Rail	Wall / DIN-Rail	Wall / DIN-Rail	Wall / DIN-Rail	Wall / DIN-Rail	Wall / DIN-Rail
Power supply	Power adapter required (TI-S24048)	Power adapter required (48VDC3000 or TI-S24048)	Power adapter required (TI-S24048)	Power adapter required (48VDC3000 or TI-S12048 or TI-S24048)		Power adapter required (TI-S12048 or TI-S24048)	Power adapter required (TI-M6024)			
Warranty	Lifetime*	Lifetime*	Lifetime*	Lifetime*	Lifetime*	Lifetime*	Lifetime*	Lifetime*	Lifetime*	Lifetime*



	Industrial Gigabit PoE Injectors/Extender/ Splitter			
	TI-IG60	TI-IG30	TI-EU120	TI-SG104
Description	UPoE Injector	PoE+ Injector	2-Port Outdoor UPoE Extender	UPoE Splitter
PoE budget	60W	30W	64W	-
Temperature	-40° – 75° C (-40° – 167° F)	-40° – 75° C (-40° – 167° F)	-40° – 75° C (-40° – 167° F)	-40° – 80° C (-40° – 185° F)
Housing	IP30	IP30	IP67	IP30
Rackmount	Wall / DIN-Rail	Wall / DIN-Rail	Wall	Wall / DIN-Rail
Power supply	Power supply required (TI-S12048)		PD power input: 30W/60W/95W	DC output: 12V, 16V, 24V, 48V
Warranty	3 year	3 year	3 year	3 year



	Industrial Gigabit Fiber Converters			Industrial 100Mbps Fiber Converters	
	TI-UF11SFP	TI-PF11SFP	TI-F11SFP	TI-F10S30	TI-F10SC
Description	SFP to gigabit UPoE	SFP to gigabit PoE+	100/1000BASE-T to SFP	100BASE-FX Single-Mode SC	100BASE-FX Multi-Mode SC
Fiber mode	Based on SFP	Based on SFP	Based on SFP	Single	Multi
Fiber converter	SFP	SFP	SFP	Duplex SC	Duplex SC
PoE budget	60W	30W	-	-	-
Distance	Based on SFP	Based on SFP	Based on SFP	30km (18.6 mi.)	2km (1.2 mi.)
Temperature	-40° – 75° C (-40 – 167° F)			-40° – 75° C (-40° – 167° F)	
Housing	IP30	IP30	IP30	IP40	IP40
Wavelength	Based on SFP	Based on SFP	Based on SFP	1310nm	1310nm
Rackmount	Wall / DIN-Rail	Wall / DIN-Rail	Wall / DIN-Rail	Wall / DIN-Rail	Wall / DIN-Rail
Power supply	Power supply required (TI-S12048)			Power supply required (TI-M6024)	
Warranty	3 year	3 year	3 year	3 year	3 year