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TRIAX TNS



Network Switches & Accessories

Seamless Connectivity for Commercial and Residential Installations

triax.com

TNS008, 8-Port Gigabit Ethernet Switch

Article No.: 308001



The TRIAX TNS008 is a compact and efficient Gigabit Ethernet switch designed to deliver reliable wired network connectivity in residential and small office environments. With eight auto-negotiating Gigabit Ethernet ports, it enables fast and stable data transmission without bottlenecks, making it well suited for internet access, HD streaming, IP services and file sharing.

Thanks to its plug-and-play operation and space-saving design, the TNS008 integrates seamlessly into existing network installations. It offers a straightforward and dependable solution for expanding wired network connections while maintaining consistent performance and ease of installation.

- Eight Gigabit Ethernet ports (10/100/1000 Mbps) for high-speed and flexible network connectivity
- Automatic MAC address learning and updating to ensure efficient data forwarding
- Auto MDI/MDIX support, allowing the use of standard Ethernet cables without crossover requirements
- Gigabit performance for smooth data transfer and improved network responsiveness
- Compact plastic housing, suitable for desktop placement or wall mounting

Model	TNS008
Art No.	308001
EAN	5061038089097
Ethernet Ports	8*10/100/1000Mbps RJ45 Ports
Network Protocol	IEEE802.3 10BASE-T ; IEEE802.3i 10Base-T IEEE802.3u 100Base-TX ; IEEE802.3ab 1000Base-T IEEE802.3x.
Twisted Pair Transmission	10BASE-T: Cat5 UTP (≤100 meter) 100BASE-TX: Cat5 or higher UTP (≤100 meter) 1000BASE-T: Cat5 or higher UTP (≤100 meter)
Switching Capacity	16Gbps
Forwarding Rate	11.9Mpps
MAC Address Table	2K
Buffer Memory	3M
Power Consumption	Standby: <0.7W / Full load: <4W
Power Supply Input/Output	100-240VAC / 50-60Hz to DC 12V/1A Power adapter
LED Indicators	Power indicator: PWR (Green) Network indicator: 1-8 (Link/Act)/ (Green)
Dimensions / Net weight	128 x 60 x 24mm / 0.2 Kg
Installation Method	Desktop
Temperature/Humidity Operation Storage	 -20~55°C; 10%~90% RH non-condensing -40~+70°C; 10%~90% RH non-condensing
Protection	IEC61000-4-2(ESD): ±8kV contact discharge, ±15kV air discharge IEC61000-4-5(Lightning protection/Surge): Power: CM±4kV/DM±2kV; Port: ±4kV

TNS042/082/162/242 Gigabit Ethernet Switches

Article N0.: 308002/3/4/5



The TRIAX TNS switch range consists of high-performance Gigabit PoE network switches designed for both professional and residential installations.

Available with 4, 8, 16 or 24 Gigabit PoE ports, the range delivers power and high-speed data over a single Ethernet cable, making it ideal for powering compatible devices such as IP cameras, wireless access points and other PoE-enabled equipment.

Integrated uplink ports allow for flexible and scalable network expansion, while the plug-and-play design ensures fast and straightforward installation with no configuration required.

Featuring a non-blocking Gigabit architecture, robust metal housing, and flexible installation options, TRIAX TNS switches provide a reliable and efficient solution for high-density PoE network infrastructures.

- Flexible range – 4 models available with 4, 8, 16 or 24 PoE ports, plus 2 or 4 dedicated uplink ports
- True Plug & Play for fast, hassle-free installation
- Single-cable PoE – delivers power and data over one Ethernet cable
- Extended transmission up to 300 m for long-distance deployments
- Built-in VLAN & AI Watchdog for improved security and network stability
- Robust metal housing for reliable performance and long service life





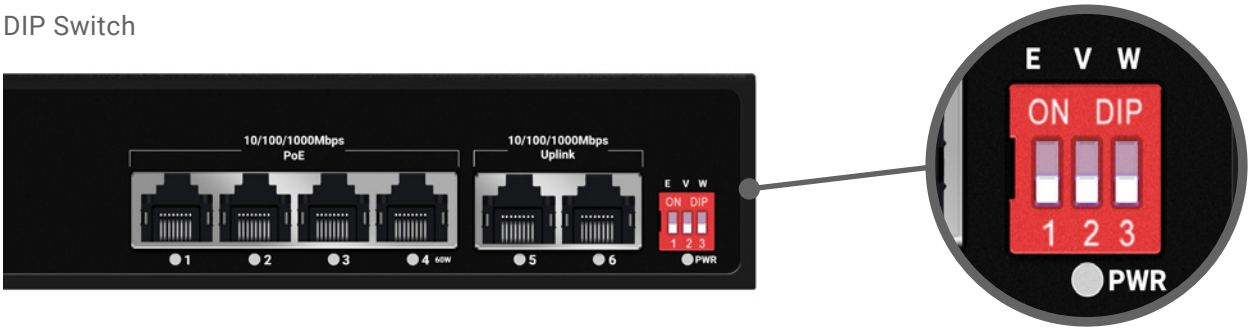

Model	TNS042	TNS082	TNS162	TNS242
Art No.	308002	308003	308004	308005
PoE Ports	4	8	16	24
Uplink Ports	2 x RJ45	2 x RJ45	2 x RJ45 2 x SFP Fibre	2 x RJ45 2 x SFP Fibre
Power Supply	65W	120W	300W	300W

Features:

- **300 m Long-Range Transmission (AI Extend Mode):** Designed for long-distance deployments, the AI Extend function allows a single port to transmit data up to 300 metres, with automatic speed adjustment (up to 10 Mbps). All other ports continue to operate at 1000 Mbps over distances up to 100 metres, ensuring optimal overall performance.
- **VLAN Support for Network Isolation:** Built-in VLAN functionality enables logical network segmentation between departments, effectively isolating broadcast domains. This prevents issues such as virus spread from infected devices, enhances network stability, and significantly improves security and management efficiency.
- **AI Watchdog for Automatic Recovery:** The AI Watchdog continuously monitors device operating status. In the event of a port malfunction, it automatically attempts connection recovery and restarts abnormal ports or devices, reducing maintenance effort, improving system reliability, and minimising the need for manual intervention.
- **Intelligent Port Priority Power Management:** When power resources are limited, the system intelligently allocates power based on port priority, ensuring uninterrupted power delivery to critical equipment while maintaining overall network stability.

The above features are selected via a DIP switch located on the front of the device.

DIP Switch



Switch Position	Function	Description when set to ON
E - Extend	PoE + Extend 300m	Single-port long-range mode enables up to 300m transmission with automatic speed adjustment (max. 10 Mbps), while PoE ports maintain 100/1000 Mbps performance within 100m
V - Vlan	VLAN	PoE port isolation and VLAN mode enabled
W - Watchdog	Watchdog	PoE network self-healing mode enabled (PoE Watchdog)

Ports Priority / Power Management function		
Power Priority Mode	Port Priority by default	Smart PoE port cutoff when the PoE budget is exceeded






Model	TNS042	TNS082	TNS162	TNS242
Art No.	308002	308003	308004	308005
EAN	5061038089103	5061038089110	5061038089127	5061038089134
PoE Ports	4*10/100/1000Mbps	8*10/100/1000Mbps	16*10/100/1000Mbps	24*10/100/1000Mbps
Uplink Ports	2*10/100/1000Mbps RJ45	2*10/100/1000Mbps RJ45	2*10/100/1000Mbps RJ45 2*100/1000Mbps SFP Fibre	2*10/100/1000Mbps RJ45 2*100/1000Mbps SFP Fibre
Switching Capacity	12Gbps	20Gbps	40Gbps	56Gbps
Forwarding Rate	8.9Mpps	14.88Mpps	29.76Mpps	41.67Mpps
MAC Address Table	2K	4K	8K	8K
Buffer Memory	768K	4M	4M	4M
Power Supply	65W (100-240VAC, 50-60Hz)	120W (100-240VAC, 50-60Hz)	300W (100-240VAC, 50-60Hz)	300W (100-240VAC, 50-60Hz)
Power Consumption	Standby: <2W Full load: <65W	Standby: <2W Full load: <120W	Standby: <5W Full load: <300W	Standby: <5W Full load: <300W
LED Indicators	Power: PWR (Green) Network: 1-4 (Link/Act)/(Green) 5-6 (Link/Act)/(Green)	Power: PWR (Green) Network: 1-8 (Link/Act)/(Green) 9-10 (Link/Act)/(Green)	Power: PWR (Green) Network: 1-16 (Link/Act)/(Green) 17-20 (Link/Act)/(Green)	Power: PWR (Green) Network: 1-24 (Link/Act)/(Green) 25-28 (Link/Act)/(Green)
Dimensions	195 x 130 x 40mm	195 x 130 x 40mm	290 x 181 x 44mm	330 x 215 x 44mm
Net Weight	<0.8kg	<0.8kg	<1.6kg	<2.5kg

Model	TNS042	TNS082	TNS162	TNS242
Art No.	308002	308003	308004	308005
PoE Standard	Ports 1-4 support: @IEEE802.3af/at Port 4 support: @IEEE 802.3af/at/bt (Max. 60W/port)	Ports 1-8 support: @IEEE802.3af/at Ports 7-8 support: @IEEE 802.3af/at/bt (Max. 60W/ port)	All PoE Ports support @IEEE802.3af/at (Max 30W/port).	
Network Protocol	IEEE802.3 10BASE-T IEEE802.3i 10Base-T IEEE802.3x IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T		IEEE802.3 10BASE-T IEEE802.3i 10Base-T IEEE802.3x IEEE802.3u 100Base-T IEEE802.3ab 1000Base-T IEEE802.3z 1000base-X IEEE802.3u 100Base-FX	
EVD Function	With the Dial code switch, support port priority by default. E-1: AI Extend 300 meters transmission and auto speed change of single port (limit 10Mbps), other ports maintain 1000Mbps within 100 meters V-2: When On each Port support port Isolation & VLAN D-3: When On, each Port support AI-PoE Network self-healing mode (PoE Watchdog function)			

Ethernet Ports feature	10/100/1000Base-T(X) automatic detection, full/half Duplex MDI/MDI-X adaptive		
Fibre Ports feature	Gigabit SFP Ports (Fibre module is not included), to be ordered separately module options include single/multi-mode, single/dual fibre, LC		
Forwarding Mode	Store and forward		
Twisted Pair Transmission	10BASE-T: Cat5 UTP (≤300 meter) 100BASE-TX: Cat5 or later UTP (≤100 meter) 1000BASE-T: Cat5 or later UTP (≤100 meter)		
Power Supply Pin	Default 1/2(+), 3/6(-)		
Power Supply	Built-in power supply AC100~240V 50-60Hz/65W	Built-in power supply AC100~240V 50-60Hz/120W	Built-in power supply AC100~240V 50-60Hz/300W
Temperature & Humidity Storage Operating	-20~+55°C; 5%~90% RH non-condensing -40~+75°C; 5%~95% RH non-condensing		
Installation Method	Desktop, wall mount. TNS162 and TNS242 support 1U Rack Mount		
Protection	IEC61000-4-2 (ESD): ±8kV contact discharge, ±15kV air discharge IEC61000-4-5 (Lightning protection/Surge): Power: CM±4kV/DM±2kV; Port: ±4kV		
Protection Level	IP30		

TNS042
Art No. 308002



TNS082
Art No. 308003



TNS162
Art No. 308004



TNS242
Art No. 308005



TCC100 RJ45 Cut & Crimp Tool

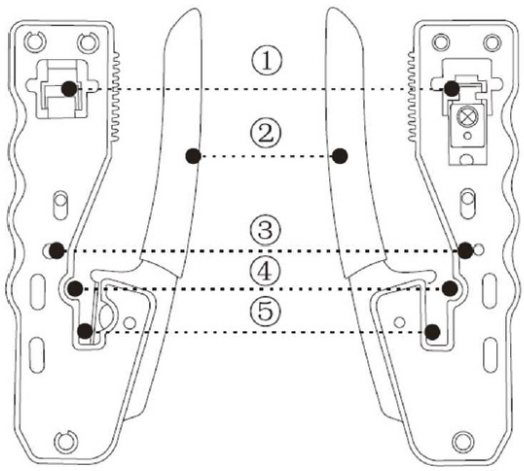
Article No. 155240

The TRIAX TCC100 RJ45 Cut & Crimp Tool is a compact, pocket-sized tool for a fast and professional RJ45 connector termination. It simultaneously crimps the connector and trims excess conductors in a single operation, ensuring a clean, precise and reliable installation every time.

Specifically designed for use with TRIAX Push-Through RJ45 CAT6 connectors and TRIAX Category 6 U/UTP cables, the TCC100 delivers consistent performance and installation efficiency for high-speed data network applications.

Its ergonomic and easy-to-use design makes it the ideal tool for installers working in the field, helping to reduce installation time while ensuring optimum connection quality.

The tool is supplied with five replacement blades, allowing you to extend its service life and maintain clean, accurate cable cuts over time.





Key Features:

- Crimps and trims conductors in a single operation
- Compact, pocket-sized design
- Compatible with TRIAX Push-Through RJ45 CAT6 connectors
- Optimized for TRIAX Category 6 U/UTP cables
- Fast, clean, and professional installations
- Includes 5 replacement blades
- EAN 5061038089288

1. **RJ45 CAT5e/CAT6 Crimping Port**
   Supports crimping of 8Pin RJ45 CAT5e and CAT6 connectors, including pass-through connector designs for faster and more accurate terminations.
2. **Ergonomic Non-Slip Handle**
   Rubber-coated, non-slip handles provide a secure grip and enhanced comfort, reducing hand fatigue during prolonged use.
3. **Integrated Safety Lock**
   Convenient locking mechanism keeps the tool securely closed when not in use, ensuring safe handling and easy storage.
4. **Cable Stripping Port**
   Designed to quickly and accurately strip the outer jacket of network cables with diameters ranging from 5 to 9 mm.
5. **Cable Cutting Port**
   Precision cutting blade cleanly cuts network cables up to 9mm in diameter, ensuring neat and professional cable preparation

CAT6 U/UTP Cables

Article No.155200/155201/155202



TRIAX Category 6 U/UTP cables are designed to deliver reliable performance in modern high-speed data networks. Supporting all current Ethernet applications, they provide consistent transmission and stability for structured cabling systems.

- Indoor PVC White sheath (CPR Class Eca)
- Indoor LSZH Purple sheath (CPR Class Dca) for enhanced fire safety and low smoke emission
- Outdoor PE Black sheath (CPR Class Fca) for robust performance in external environments

All cables are manufactured with high-quality copper conductors and precision-twisted pairs to ensure excellent electrical performance in full compliance with Category 6 standards. Each cable is marked at one-metre intervals, allowing for easy measurement and installation accuracy.

Supplied in 305m pull boxes, TRIAX Category 6 cables are easy to handle and install, making them ideal for professional network deployments.

When used within a complete TRIAX system, they ensure dependable link performance and long-term reliability.

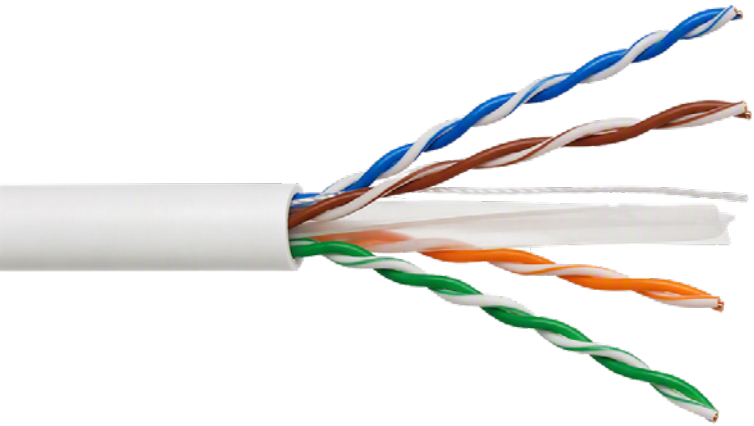
Item Name	CAT6 UTP PVC White	CAT6 UTP LSZH Purple	CAT6 UTP PE Black
Art No.	155200	155201	155202
EAN Code	5061038089202	5061038089219	5061038089226
Cable type	U/UTP CAT6		
Conductor material	Solid Bare Copper		
Size	23AWG		
Number of Pairs	4		
Insulation material	HDPE Ø 0.98 ± 0.05mm		
Outer Sheath Material	PVC	LSZH	PE
Outer Sheath Colour	White	Purple	Black
Outer Sheath Diameter	5.8 ± 0.02mm		
Outer Sheath Thickness	0.55 ± 0.05mm		
EN50575 CPR Fire Class	Eca	Dca s1, d1, a1	Fca
Cable length	305m ± 5%		
Packing	Pull-box 260 x 330 x 340mm (D x W x H)		
Weight (kg)	12.26	12.26	10.68
Electrical characteristics			
Impedance (Ω)	100 ± 15		
Conductor DC Resistance (Ω/100m)	≤ 9.38		
Conductor DC Resistance Unbalanced (%)	≤ 2.0		
Capacitance (nf/100m)	≤ 5.6		
Velocity Ratio %	69		
Spark Tests	2500V AC (2s)	4000V AC (2s)	5000V AC (2s)
Installation temperature	0°C...+50°C		0°C...+50°C
Operating temperature	-20°C...+60°C		-30°C...+60°C

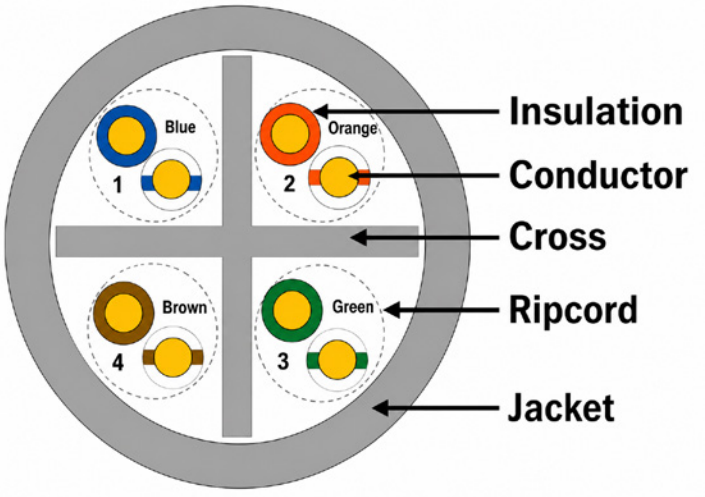
Technical performances (100m)

FREQUENCY MHZ	RL ≥ dB	ATT (20°C) ≤ dB	NEXT ≥ dB	PSNEXT ≥ dB	ELFEXT ≥ dB	PS ELFEXT ≥ dB
1.0	20.0	2.0	74.3	72.3	67.8	64.8
4.0	23.0	3.8	65.3	63.3	55.8	52.8
8.0	24.5	5.3	60.8	58.8	49.7	46.7
10.0	25.0	6.0	59.3	57.3	47.8	44.8
16.0	25.0	7.6	56.2	54.2	43.7	40.7
20.0	25.0	8.5	54.8	52.8	41.8	38.8
25.0	24.3	9.5	53.3	51.3	39.8	36.8
31.25	23.6	10.7	51.9	49.9	37.9	34.9
62.5	21.5	15.4	47.4	45.4	31.9	28.9
100	21.1	19.8	44.3	42.3	27.8	24.8
200	18.0	29.0	39.8	37.8	21.8	18.8
250	17.3	32.8	38.3	36.3	19.8	16.8

Color code

Pair 1	Blue, White/Blue
Pair 2	Orange, White/Orange
Pair 3	Green, White/Green
Pair 4	Brown, White/Brown





RJ45 connectors & boots

Articles No.: 155220/155221/155222/155230/155231/155232/155233



TRIAX Push Through RJ45 CAT6 connectors are designed for use with TRIAX Category 6 U/UTP cables, ensuring fast, reliable, and consistent performance in high-speed data network installations.

The push-through design simplifies termination by allowing conductors to pass through the connector, making wire alignment faster and more accurate. Simply arrange the conductors in the required sequence, insert the cable into the connector, and the internal guide automatically positions each conductor in the correct predefined order for a secure and professional termination.

The connector is terminated using the TRIAX TCC100 RJ45 Cut & Crimp Tool, which simultaneously crimps the connector and trims the excess conductors for a fast, clean, and professional installation.

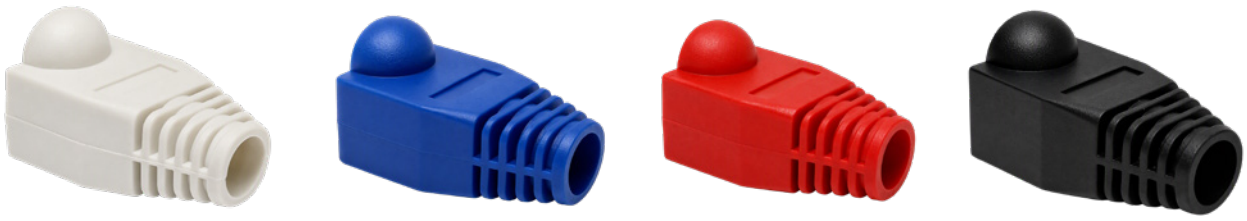
To complete the installation, TRIAX RJ45 boots are available in four colours—Black, Blue, Red, and White—supplied in packs of 10 pieces for easy cable identification and strain relief.

RJ45 Connectors

- CAT6 Unshielded U/UTP RJ45 Push Through Connector
- Compatible with TRIAX Category 6 U/UTP cables
- Easy conductor alignment and termination
- Transparent crystal-clear housing for visual inspection (selected models)
- Supplied in jars of 100 connectors



Item No.	Model	EAN	Description
155220	TBC100	5061038089233	Jar of 100 Push Through RJ45 CAT6 connectors, crystal-clear plastic housing, 0.5µ gold-plated contacts
155221	TBC101	5061038089301	Jar of 100 Push Through RJ45 CAT6 connectors, crystal-clear plastic housing, 50µ gold-plated contacts
155222	TBC102	5061038089318	Jar of 100 Push Through RJ45 CAT6 connectors, metal housing, 50µ gold-plated contacts



RJ45 Boots

Designed to provide cable strain relief and colour-coded cable identification.

Item No.	Model	EAN	Description
155230	TKB001	5061038089240	Bag of 10 Black RJ45 Boots
155231	TUB001	5061038089257	Bag of 10 Blue RJ45 Boots
155232	TRB001	5061038089264	Bag of 10 Red RJ45 Boots
155233	TWB001	5061038089271	Bag of 10 White RJ45 Boots

TLC005, TLC010 Fibre Patch Cords

Articles No.: 308030, 308031



The TRIAX TLC005 and TLC010 are high-performance optical fibre jumpers, specially designed for security monitoring systems, intelligent fibre community network construction, and various fibre communication networks.

They are suitable for stable transmission requirements in various harsh environments. Equipped with LC-LC interface to ensure telecommunication-level connection accuracy and reliability, they are compatible with mainstream optical fibre equipment, are easy to plug and unplug, and have low signal losses.

- LC-LC High-Precision Connectivity
- Low Insertion Loss & Stable Transmission
- Reinforced with High-Strength Aramid Yarn
- Designed for Harsh Environments
- Wide Application Range
- Available in 2 lengths: 0.5m and 1m

Model	TLC005	TLC010
Art No.	308030	308031
EAN	5061038089165	5061038089172
Item type	Single mode dual-core patch cord	
Number of fibres	2	2
Fibre connector	LC	
Length	0.5m	1.0m
Outer diameter	2mm	
Insertion Loss	≤0.3dB	
Return Loss	≥50dB	
Operating temperature	-20...+85°C	

PoE Injectors TPI018 / TPI030 / TPI060

Articles No.: 308050/308051/308052





The TRIAX TPI018, TPI030, and TPI060 PoE Injectors provide a simple, cost-effective and reliable way to add Power over Ethernet (PoE) functionality to standard non-PoE network switches.

Available in three models supporting IEEE 802.3af (PoE), 802.3at (PoE+), and 802.3bt (PoE++), these injectors deliver both power and data through a single Ethernet cable, simplifying installation and reducing cabling costs.

Each injector is equipped with 1 × RJ45 Data In (LAN) port and 1 × RJ45 PoE Out port, making it ideal for powering IP cameras, wireless access points, VoIP phones and other PoE-enabled devices, especially in locations where a nearby power outlet is unavailable. Its plug-and-play design ensures quick deployment and dependable performance for surveillance, networking and professional AV applications.

Features:

- Available in three versions:
  - TPI018: IEEE 802.3af PoE, up to 15.4 W
  - TPI030: IEEE 802.3at PoE+, up to 30 W
  - TPI060: IEEE 802.3bt PoE++, up to 60 W
- Delivers up to 60 W of PoE power to support high-power network devices
- Supports 10/100/1000 Mbps Gigabit Ethernet with auto-negotiation for simultaneous high-speed data and power transmission
- Automatically detects connected powered devices and allocates the required power according to IEEE Class 0–8
- Integrated protection against overcurrent, overvoltage, overload, short circuit and overheating
- Wide input power range: 100–240 VAC, 50/60 Hz
- 52 VDC PoE output
- PoE pin assignment: 1/2 (+), 3/6 (-), 4/5 (+), 7/8 (-)
- Compact design with wall-mounting support
- Plug-and-play operation with no configuration required

First Connection

1. Using the existing Ethernet cable, connect a LAN port on your non-PoE switch to the Data In port on the TPI injector.
2. Connect your powered device (IEEE 802.3af/at/bt-compliant) to the PoE Out port on the injector.
3. Use the supplied power cable to connect the injector to an AC power outlet.
4. The top green LED will illuminate when the device is powered.



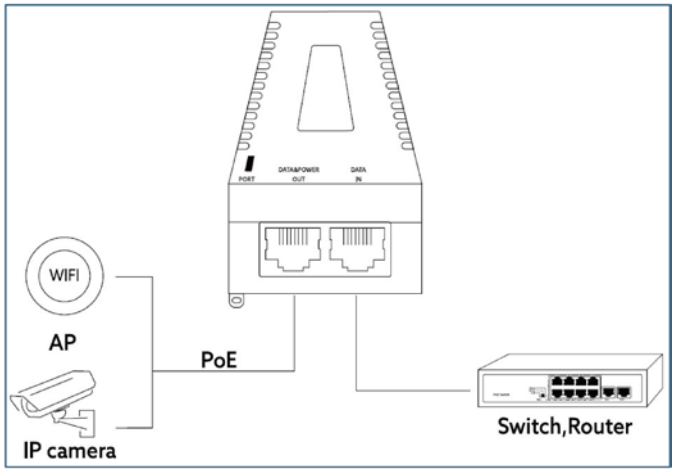


Model	TPI018	TPI030	TPI060
Art No.	308050	308051	308052
EAN	5061038089325	5061038089332	5061038089349
Input Ports	1 x 10/100/1000Mbps RJ45 DATA / 1 x AC socket		
Output Ports	1 x 10/100/1000Mbps RJ45 POWER + DATA		
Standards PoE Total Output Power (max)	IEEE 802.3 af 18W	IEEE 802.3 af/at 30W	IEEE 802.3 af/at/bt 60W
Input Voltage	100~240VAC, 50/60Hz		
Output Voltage	52VDC		
Network Media	Gigabit: UTP/STP Cat 5, 5e and 6 up to 100 meters		
Power supply pins	1,2(+)/3,6(-)		1,2(+)/3,6(-) 4,5(+)/7,8(-)
Dimension (Without cable)	L x W x H: 143x55x40mm		
Power cord type	3-Pin UK plug, cable 1.2 m length		
Weight	Unit: 200g		
Operating Temperature	-20°C~55°C		
Storage Temperature	-20°C~75°C		
Operating Humidity	10%~90%, non-condensing		
Storage Humidity	10%~95%, non-condensing		

Product application

- IP surveillance cameras
- Wireless access points (Wi-Fi APs)
- VoIP telephones
- Access control systems
- IoT and smart building devices
- Professional AV over IP installations

A simple and efficient solution for upgrading existing network infrastructure with reliable PoE power delivery.



TSFP1GB 1Gb/s SFP Optical Transceiver

Article No.: 308020



The TRIAX TSFP1GB is a reliable 1 Gigabit SFP optical transceiver designed for high-performance data transmission over single-mode fibre. Housed in a compact SFP package with an LC connector, it is ideally suited for network infrastructure applications requiring stable operation, low power consumption, and long transmission distances.

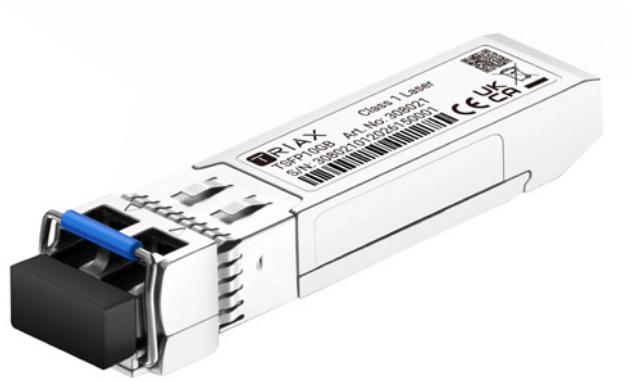
Operating at a wavelength of 1310nm, the module uses an FP laser paired with a PIN photodiode, ensuring robust signal integrity over distances of up to 20km. Its low power dissipation of less than 1W contributes to energy-efficient system design while maintaining excellent thermal performance, making it suitable for professional and commercial installations.

- SFP package with LC connector
- 1310pnm FP laser and PIN photodetector
- Up to 20 km transmission over single-mode fibre
- Power dissipation < 1W
- LVPECL-compatible data input/output interface
- Low EMI and excellent ESD protection
- Compliant with IEC-60825 laser safety standard

	Minimum	Typical	Maximum	Units
Supply Voltage	0	-	+3.6	V
Operating Relative Humidity	5	-	95	%
Operation Environment				
Supply Voltage	3.15	3.3	3.45	V
Operating temperature	0	-	70	°C
Power Dissipation	-	-	1	W
Data Rate	-	1.25	-	Gbps
Optical Characteristics - Transmitter Section				
Centre Wavelength	1260	1310	1360	nm
Receiver Sensitivity	-	-	4	nm
Receiver Overload	-9	-	-3	dBm
Optical Characteristics - Receiver Section				
Centre Wavelength	1260	-	1620	nm
Receiver Sensitivity	-	-	-22	dBm
Receiver Overload	-3	-	-	dBm
Return Loss	12	-	-	dB
Electrical Characteristics - Transmitter Section				
Input Differential Impedance	90	100	110	Ohm
Electrical Characteristics - Receiver Section				
Output differential Impedance	-	100	-	Ohm
EAN		5061038089141		

TSFP10GB 10Gb/s SFP+ Optical Transceiver

Article No.: 308021



The TRIAX TSFP10GB is a high-performance 10 Gigabit SFP+ optical transceiver designed for demanding data communication applications over single-mode fibre. Packaged in a compact SFP+ form factor with an LC connector, it is ideal for modern network infrastructures requiring high bandwidth, reliability, and low power consumption.

Operating at a wavelength of 1310 nm, the module incorporates a DFB laser together with a PIN photodetector, ensuring stable and high-quality signal transmission over distances of up to 10km on single-mode fibre. Its optimised design keeps power dissipation below 1W, supporting efficient thermal management in dense networking environments.

The TSFP10GB features ensure safe deployment in professional and commercial installations.

- SFP+ package with LC connector
- 1310nm DFB Laser and PIN photo detector
- Up to 10km transmission on Single Mode Fibre
- Power dissipation < 1W
- LVPECL compatible data input/output interface
- Low EMI and excellent ESD protection
- Laser safety standard IEC-60825 compliant

	Minimum	Typical	Maximum	Units
Supply Voltage	0	-	+3.6	V
Operating Relative Humidity	0	-	85	%
Operation Environment				
Supply Voltage	3.15	-	3.45	V
Operating temperature	0	-	70	°C
Power Dissipation	-	-	1	W
Data Rate	-	10.3125	-	Mbps
Optical Characteristics - Transmitter Section				
Centre Wavelength	1290	1310	1330	nm
Average Output Power	-5	-	+0.5	dBm
Relative Intensity Noise	-	-	-128	dB/Hz
Optical Characteristics - Receiver Section				
Centre Wavelength	-	1310	-	nm
Receiver Sensitivity	-	-	-14	dBm
Receiver Overload	+0.5	-	-	dBm
Return Loss	12	-	-	dB
Electrical Characteristics - Transmitter Section				
Input Differential Impedance	90	100	110	Ohm
Electrical Characteristics - Receiver Section				
Output differential Impedance	-	100	-	Ohm
EAN	5061038089158			

TRIAX is a global supplier of reliable, innovative products and solutions for the reception and distribution of video, audio and data signals.

Our Products are used in homes, businesses and operator networks by broadcasters, satellite, cable and telecom operators.

Our Solutions combine our hardware and software expertise to deliver value to hospitality and related markets, through a partner network of system integrators, large installers and operators.

TRIAX headquarters are based in Wales, UK, subsidiary office in Dubai, UAE and R&D in Denmark.

The company operates through a dedicated partner network of global distributors.

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Version 08-2026

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