# TRENDnet®

## PRODUCT CATALOG

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TRENDnet's vision is to build innovative, easy-to-use, and reliable Networks People Trust™. TRENDnet solutions network countless devices to enable your connected lifestyle and workplace. Building award-winning networking solutions since 1990, TRENDnet connects you with what you value most. Founded in Torrance, California, TRENDnet has grown to become a leading global networking hardware brand.

# TRENDnet®

Price-to-Performance Leader

Multi-Award-Winning Product Line

Demonstrated Reliability

Exceptional Product Quality

Comprehensive Customer Support

Pre-Sales Engineering Support

Experienced Technical Support Team

**Français:**

La vision de TRENDnet est de construire des réseaux novateurs, simples à utiliser et fiables sur lesquels les gens peuvent compter. Les solutions de TRENDnet mettent en réseaux d'innombrables périphériques qui simplifient votre style de vie et votre travail en ligne. En créant depuis 1990 des solutions de mise en réseau primées, TRENDnet vous connecte avec ce que vous avez de plus précieux. Fondé à Torrance, Californie, TRENDnet a grandi pour devenir une marque internationale de matériel, leader de la mise en réseau. TRENDnet est leader en matière de rapport qualité/prix, avec une ligne de produits primés, une fiabilité démontrée, une qualité de produits exceptionnelle, un service clientèle complet, une assistance en soutien en ingénierie d'avant-vente et des services d'assistance technique de premier plan.

**Deutsch:**

TRENDnet hat es sich zum Ziel gesetzt, innovative, einfach zu verwendende und zuverlässige Netzwerke zu erstellen, denen die Kunden vertrauen (Networks People Trust™). Die Lösungen von TRENDnet vernetzen unzählige Geräte, um Ihnen ein verbundenes Leben und Arbeiten zu ermöglichen. TRENDnet schafft seit 1990 preisgekrönte Netzwerklösungen und verbindet Sie mit dem, was Ihnen am wichtigsten ist. Seit der Gründung in Torrance, Kalifornien, ist TRENDnet zu einer weltweit führenden Netzwerkhardwaremarke geworden. TRENDnet verfügt über ein führendes Preis-Leistungsverhältnis mit einer mehrfach ausgezeichneten Produktreihe und erwiesener Zuverlässigkeit, herausragender Produktqualität, umfassendem Kundendienst, Engineering-Unterstützung vor dem Verkauf und erstklassigem technischen Support.

**Português:**

O objetivo da TRENDnet é sempre criar redes inovadoras, fáceis de usar e confiáveis. Soluções de rede da TRENDnet são compostas por inúmeros dispositivos para garantir o seu estilo de vida e trabalho conectados. Com soluções de rede premiadas desde 1990, com a TRENDnet você se conecta com o que você mais valoriza. Fundada em Torrance, Califórnia, a TRENDnet cresceu e se tornou uma marca líder de dispositivos de rede. A TRENDnet é líder na relação custo-desempenho, com uma multipremiada linha de produtos, confiabilidade, excepcional qualidade dos produtos, suporte ao cliente, suporte pré-vendas e serviços de suporte técnico premium.

**Español:**

La visión de TRENDnet es crear redes innovadoras, de fácil uso y de confianza (Networks People Trust™). Las soluciones de TRENDnet conectan en red los numerosos dispositivos que le permiten mantener su modo de vida y de trabajo conectados. TRENDnet, con sus premiadas soluciones de red desde 1990, le conecta con lo que usted más valora. Fundada en Torrance, California, TRENDnet ha crecido hasta convertirse en una marca líder en el mundo en hardware de redes. TRENDnet es líder en la relación precio/rendimiento, con una línea de productos galardonada con múltiples premios, solidez contrastada, calidad excepcional en sus productos, soporte integral al cliente, soporte de ingeniería previo a la venta y servicios de soporte técnico de primera categoría.

## Layer 2 Managed

## Web Smart

# Advanced Management

TRENDnet's Layer 2 switch solutions include premier managed features such as CLI, PoE control, access control lists, VLAN, IGMP snooping, QoS, RMON, SNMP trap, and syslog for monitoring and flexible network integration.

For more sophisticated networks, Web Smart switches support advanced management features such as traffic management controls, IP routing, VLAN, QoS, access controls, link aggregation, troubleshooting, SNMP monitoring, per port MAC restriction, and dynamic ARP inspection.

**Français:**

Le switches non gérés sont conçus pour augmenter simplement la densité des ports. Les switches EdgeSmart de TRENDnet offrent une gestion de l'interface graphique Web avec les fonctionnalités les plus courantes des switches gérés. Les switches Web Smart prennent en charge des fonctions plus avancées et les switches de couche 2 de TRENDnet incluent des fonctions de gestion de premier ordre pour une meilleure surveillance et une intégration réseau flexible.

**Deutsch:**

Unverwaltete Switche wurden entwickelt, um die Portdichte einfach zu erhöhen. Die EdgeSmart-Switche von TRENDnet ermöglichen Web-GUI-Verwaltung mit den gängigsten Funktionen verwalteter Switche. Web-Smart-Switche unterstützen erweiterte Funktionen, und die Layer-2-Switche von TRENDnet bieten erstklassige verwaltete Funktionen für bessere Überwachung und flexible Netzwerkintegration.

## EdgeSmart

## Unmanaged

# Unmanaged

TRENDnet's EdgeSmart switches feature web GUI management with just the most commonly used managed switch features such as VLAN, IGMP snooping, QoS, and port trunking. This helps to reduce unnecessary switch complexity.

To help boost network efficiency and eliminate network congestion, unmanaged switches are designed to simply increase port density. Installation is plug and play with no special requirements or configuration needed.

**Português:**

Switches não gerenciados são projetados para simplesmente aumentar a densidade de portas. Os switches EdgeSmart da TRENDnet apresentam gerenciamento web GUI com os recursos mais comuns dos switches gerenciados. Os switches Web Smart suportam recursos mais avançados, e os switches Layer 2 da TRENDnet incluem gerenciamento dos principais recursos para um melhor monitoramento e integração da rede.

**Español:**

Los switchs no administrados están diseñados para aumentar la densidad de puertos con facilidad. Los switchs EdgeSmart de TRENDnet ofrecen administración GUI web con las funciones de switchs administrados más frecuentes. Los switchs Web Smart admiten funciones más avanzadas, y los switchs de Capa 2 de TRENDnet ofrecen funciones administradas superiores para lograr una mejor monitorización y una integración de red flexible.

# Managed Switches

| | L2 Fiber | L2 Managed | 10/100 Web Smart | EdgeSmart | | |
|---|---|---|---|---|---|---|
| | TL2-FG142 | TL2-G244 | TEG-2248WS | TEG-7080ES | TEG-S80ES | TEG-S50ES |
| Ports | 14 x SFP, 2 x Shared RJ-45 Gigabit, 1 x RJ-45 Fast Ethernet Management, 1 x RJ-45 Console | 20 x Gigabit, 4 x Shared Gigabit (RJ-45/SFP), 1 x RJ-45 Console | 48 x 10/100Mbps, 2 x Gigabit, 2 x Shared Gigabit (RJ-45/SFP) | 8 x 10GBASE-T | 8 x Gigabit | 5 x Gigabit |
| Switching capacity | 28Gbps | 48Gbps | 17.6Gbps | 160Gbps | 16Gbps | 10Gbps |
| RAM buffer | 128MB | 1MB | 1.5MB | 2MB | 192KB | 125KB |
| Forwarding rate (64-byte packet size) | 20.8Mpps | 35.7Mpps | 13.1Mpps | 119Mpps | 11.9Mpps | 7.44Mpps |
| MAC address table | 8K | 16K | 16K | 16K | 4K | 2K |
| VLAN | Asymmetric, port-based, multiple management assignment, up to 256 VLAN groups, 802.1Q, dynamic GVRP, private, voice | Asymmetric, port-based, 802.1Q, private, voice, GVRP, MAC-based, protocol-based | Asymmetric, port-based, 802.1Q, private, voice, GVRP | Asymmetric, port-based, 802.1Q, private, voice | | |
| ACL | IPv4 L2-L4 & IPv6 | IPv4 L2-L4 & IPv6 | IPv4 L2-L4 & IPv6 | - | - | - |
| IPv6 | ✓ | ✓ | ✓ | - | - | - |
| Static IP routing | ✓ | - | - | - | - | - |
| DoS prevention | ✓ | ✓ | ✓ | - | - | - |
| 802.1ab LLDP | ✓ | ✓ | ✓ | - | - | - |
| 802.1X | ✓ | ✓ | ✓ | - | - | - |
| Dynamic GVRP | ✓ | ✓ | ✓ | - | - | - |
| Port trunking | LACP | LACP | LACP | Static | Static | Static |
| RMON | ✓ | ✓ | ✓ | - | - | - |
| CoS (802.1p) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Spanning tree | STP, RSTP, MSTP | STP, RSTP, MSTP | STP, RSTP, MSTP | STP, RSTP | STP, RSTP | STP, RSTP |
| Multicast (IGMP) | v1, v2, v3 | v1, v2, v3 | v1, v2, v3 | v1, v2, v3 | v1, v2, v3 | v1, v2, v3 |
| SNMP | v1, v2c, v3 | v1, v2c, v3 | v1, v2c, v3 | v1, v2c | v1, v2c | v1, v2c |
| Jumbo frames | 9.6KB | 10KB | 10KB | 9KB | 9KB | 9KB |
| Fan | Fanless | Fanless | Fanless | Smart fans | Fanless | Fanless |
| Mounting | Rack | Rack | Rack | Rack | Wall | Wall |
| Warranty | Lifetime* | Lifetime* | Lifetime* | Lifetime* | Lifetime* | Lifetime* |

*See warranty policy at TRENDnet.com    Not available in Europe / UK.

| Web Smart | | | |
|---|---|---|---|
| | TEG-524WS | TEG-284WS | TEG-204WS | TEG-082WS |
| Ports | 48 x Gigabit, 4 x Shared Gigabit (RJ-45/SFP) | 24 x Gigabit, 4 x Shared Gigabit (RJ-45/SFP) | 16 x Gigabit, 4 x Shared Gigabit (RJ-45/SFP) | 8 x Gigabit, 2 x SFP |
| Switching capacity | 104Gbps | 56Gbps | 40Gbps | 20Gbps |
| RAM buffer | 1.5MB | 512KB | 512KB | 512KB |
| Forwarding rate (64-byte packet size) | 77.4Mpps | 41.7Mpps | 29.8Mpps | 14.9Mpps |
| MAC address table | 16K | 8K | 8K | 8K |
| VLAN | Asymmetric, port-based, 802.1Q, private, voice, GVRP | | | |
| ACL | IPv4 L2-L4 & IPv6 | IPv4 L2-L4 & IPv6 | IPv4 L2-L4 & IPv6 | IPv4 L2-L4 & IPv6 |
| IPv6 | ✓ | ✓ | ✓ | ✓ |
| Static IP routing | ✓ | ✓ | ✓ | ✓ |
| DoS prevention | ✓ | ✓ | ✓ | ✓ |
| 802.1ab LLDP | ✓ | ✓ | ✓ | ✓ |
| 802.1X | ✓ | ✓ | ✓ | ✓ |
| Dynamic GVRP | ✓ | ✓ | ✓ | ✓ |
| Port trunking | LACP | LACP | LACP | LACP |
| RMON | ✓ | ✓ | ✓ | ✓ |
| CoS (802.1p) | ✓ | ✓ | ✓ | ✓ |
| Spanning tree | STP, RSTP, MSTP | STP, RSTP, MSTP | STP, RSTP, MSTP | STP, RSTP, MSTP |
| Multicast (IGMP) | v1, v2, v3 | v1, v2, v3 | v1, v2, v3 | v1, v2, v3 |
| SNMP | v1, v2c, v3 | v1, v2c, v3 | v1, v2c, v3 | v1, v2c, v3 |
| Jumbo frames | 10KB | 10KB | 10KB | 10KB |
| Fan | Fanless | Fanless | Fanless | Fanless |
| Mounting | Rack | Rack | Rack | Rack |
| Warranty | Lifetime* | Lifetime* | Lifetime* | Lifetime* |

*See warranty policy at TRENDnet.com    Not available in Europe / UK.

# TRENDnet® ⬡ Hive

## Network Cloud Manager

- ⬡ Centralized management
- ⬡ Hassle-free remote monitoring
- ⬡ Intuitive alerts and notifications
- ⬡ Reduce management time and costs
- ⬡ Easily scalable for future expansions & upgrades
- ⬡ Free mobile app support

Learn more and sign up at trendnet.com/hive

| | Gigabit Unmanaged Metal | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | TEG-S24g | TEG-S24Dg | TEG-S16g | TEG-S16Dg | TEG-S82g | TEG-S80g | TEG-S50g | TEG-S51SFP |
| Ports | 24 x Gigabit | 24 x Gigabit | 16 x Gigabit | 16 x Gigabit | 8 x Gigabit | 8 x Gigabit | 5 x Gigabit | 4 x Gigabit, 1 x SFP |
| Switching capacity | 48Gbps | 48Gbps | 32Gbps | 32Gbps | 16Gbps | 16Gbps | 10Gbps | 10Gbps |
| RAM buffer | 512KB | 512KB | 512KB | 512KB | 192KB | 192KB | 128KB | 128KB |
| MAC address table | 8K | 8K | 8K | 8K | 4K | 4K | 2K | 2K |
| Jumbo frames | 10KB | 10KB | 10KB | 10KB | 9KB | 9KB | 9KB | 9KB |
| GREENnet | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | - |
| Internal power | ✓ | ✓ | ✓ | ✓ | - | - | - | - |
| Mounting | Rack | ETH-11MK** | Rack | ETH-11MK** | Wall | Wall | Wall | Magnet |
| Warranty | Lifetime* | Lifetime* | Lifetime* | Lifetime* | Lifetime* | Lifetime* | Lifetime* | Lifetime* |

Gigabit GREENnet Switch Diagram



TEG-S24g

| 10/100 Unmanaged Plastic | | |
|---|---|---|
| | TE100-S8 | TE100-S5 |
| Ports | 8 x 10/100Mbps | 5 x 10/100Mbps |
| Switching capacity | 1.6Gbps | 1Gbps |
| RAM buffer | 56KB | 56KB |
| MAC address table | 1K | 1K |
| Jumbo frames | - | - |
| GREENnet | ✓ | ✓ |
| Internal power | - | - |
| Mounting | - | - |
| Warranty | 3 year | 3 year |

*See warranty policy at TRENDnet.com     **Sold Separately      Not available in Europe / UK.
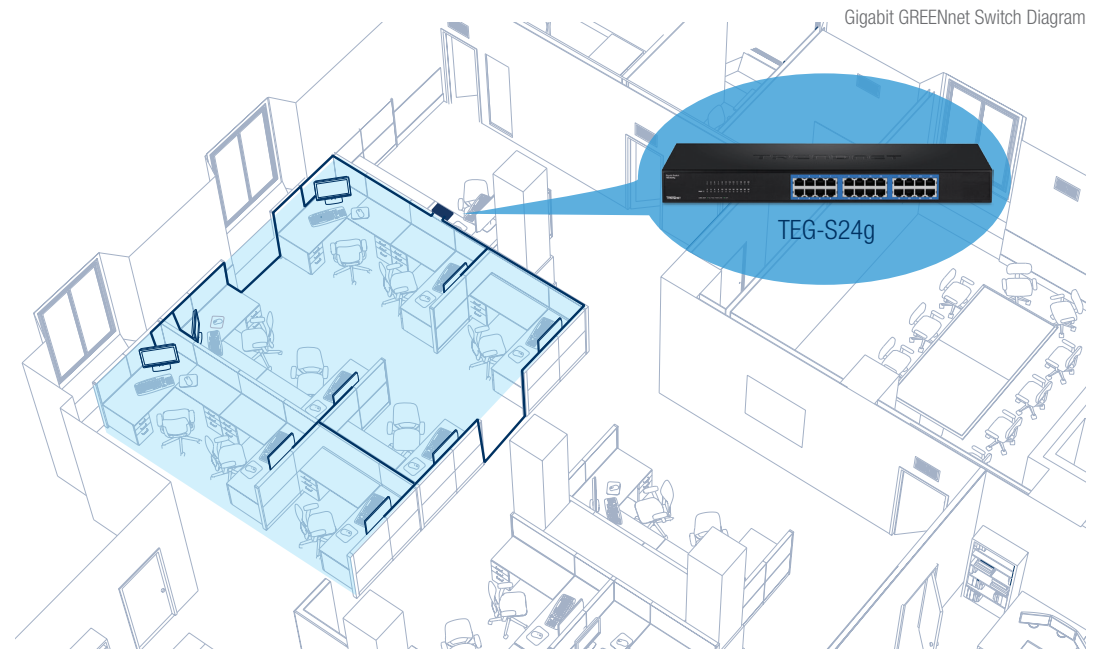
# Multi-Gigabit Networking

TRENDnet's high-performance 10G, 5G, and 2.5G network solutions are built to support high-bandwidth network applications, helping to r**educe traffic-causing bottlenecks and improve network efficiency.** Well-suited for edge layer switching, our Multi-Gigabit switches, and 10G SFP+ solutions are used in a wide-array of SMB applications, including large scale surveillance networks and camera installations.

## Français:

Les solutions réseau haute performance 10G et 2,5G de TRENDnet sont conçues pour prendre en charge les applications réseau à large bande passante, ce qui contribue à réduire les goulots d'étranglement et à améliorer l'efficacité du réseau. Bien adaptés à la commutation des couches marginales, nos switches Multi-Gigabit et nos solutions SFP+ 10G sont utilisés dans un large éventail d'applications pour les PME, notamment les réseaux de surveillance à grande échelle et les installations de caméras.

## Deutsch:

Die leistungsstarken 10G- und 2,5G-Netzwerklösungen von TRENDnet unterstützen Netzwerkanwendungen mit hoher Bandbreite und helfen, Engpässe zu reduzieren und die Netzwerkeffizienz zu verbessern. Unsere Multi-Gigabit-Switche und 10G SFP+-Lösungen eignen sich hervorragend für den Einsatz in einer Vielzahl von SMB-Anwendungen, einschließlich großer Überwachungsnetzwerke und Kamerainstallationen.

## Português:

As soluções de rede 10G e 2.5G de alto desempenho da TRENDnet foram desenvolvidas para suportar aplicações de rede que demandem uma grande largura de banda, ajudando a reduzir o gargalo e melhorar a eficiência da rede. Adequado para comutação na camada de borda, nossos switches Multi-Gigabit e soluções 10G SFP+ são usados em uma ampla gama de aplicações SMB, incluindo redes de vigilância em grande escala e instalações de câmeras.

## Español:

Las soluciones de red de alto rendimiento 10G y 2.5G de TRENDnet están concebidas para admitir aplicaciones de red de alto ancho de banda, lo cual contribuye a reducir los cuellos de botella y aumenta la eficiencia de la red. Nuestros switchs Multi-Gigabit y soluciones 10G SFP+ son ideales para conmutación en capa de extremo y se utilizan en un amplio abanico de aplicaciones para PyMES, entre ellas las redes de vigilancia a gran escala y las instalaciones de cámaras.

*Gigabit*

*Multi-Gig*

# Multi-Gigabit Switches

| | 10G Web Smart Switches | | 10G EdgeSmart | 10G Unmanaged | 2.5G Unmanaged | |
|---|---|---|---|---|---|---|
| | TPE-30284 | TEG-30284 | TEG-7080ES | TEG-30262 | TEG-S380 | TEG-S350 |
| Ports | 24 x Gigabit PoE+, 4 x 10G SFP+ | 24 x Gigabit, 4 x 10G SFP+ | 8 x 10GBASE-T | 24 x Gigabit, 2 x 10G SFP+ | 8 x 2.5GBASE-T | 5 x 2.5GBASE-T |
| Switching capacity | 128Gbps | 128Gbps | 160Gbps | 88Gbps | 40Gbps | 25Gbps |
| PoE power budget | 370W | - | - | - | - | - |
| RAM buffer | 1.5MB | 1.5MB | 2MB | 1.5MB | 1.5MB | 1.5MB |
| Forwarding rate (64-byte packet size) | 95.2Mpps | 95.2Mpps | 119Mpps | 65.5Mpps | 29.76Mpps | 18.6Mpps |
| MAC address table | 16K | 16K | 16K | 16K | 16K | 16K |
| VLAN | Asymmetric, port-based, 802.1Q, private, voice, GVRP | | Asymmetric, port-based, 802.1Q, private, voice | - | - | - |
| ACL | IPv4 L2-L4 & IPv6 | IPv4 L2-L4 & IPv6 | - | - | - | - |
| IPv6 | ✓ | ✓ | - | - | - | - |
| Static IP routing | - | - | - | - | - | - |
| DoS prevention | ✓ | ✓ | - | - | - | - |
| 802.1ab LLDP | ✓ | ✓ | - | - | - | - |
| 802.1X | ✓ | ✓ | - | - | - | - |
| Dynamic GVRP | ✓ | ✓ | - | - | - | - |
| LACP (802.3ad) | ✓ | ✓ | ✓ | - | - | - |
| RMON | ✓ | ✓ | - | - | - | - |
| CoS (802.1p) | ✓ | ✓ | ✓ | - | - | - |
| Spanning tree | STP, RSTP, MSTP | STP, RSTP, MSTP | STP, RSTP | - | - | - |
| Multicast (IGMP) | v1, v2, v3 | v1, v2, v3 | v1, v2, v3 | - | - | - |
| SNMP | v1, v2c, v3 | v1, v2c, v3 | v1, v2c | - | - | - |
| Jumbo frames | 10KB | 10KB | 9KB | 10KB | 12KB | 12KB |
| Fan | Smart fans | Smart fans | Smart fans | Fanless | Fanless | Fanless |
| Mounting | Rack | Rack | Rack | Rack | Wall | Wall |
| Warranty | Lifetime* | Lifetime* | Lifetime* | Lifetime* | Lifetime* | Lifetime* |

*See warranty policy at TRENDnet.com          Not available in Europe / UK.

# Multi-Gigabit Network Adapters & 10G SFP+ Modules
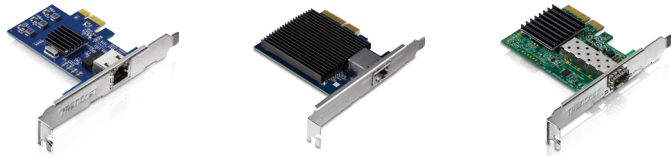


| 2.5G & 10G Network Adapters | | |
|---|---|---|
| | TEG-25GECTX | TEG-10GECTX | TEG-10GECSFP |
| Ports | 1 x 2.5GBASE-T | 1 x 10G BASE-T | 1 x 10G SFP+ |
| Speed | 2.5Gbps, 1Gbps, 100Mbps | 10Gbps, 5Gbps, 2.5Gbps, 1Gbps, 100Mbps | 10Gbps |
| Features | Includes standard and low-profile brackets | | |
| Form connector | PCle 2.0 x 1 | PCle 2.0 x 4 | PCle 2.0 x 4 |
| 802.1Q VLAN | ✓ | ✓ | ✓ |
| Jumbo frames support | 9KB | 16KB | 16KB |
| OS compatibility | Windows®, Windows® Server | | |
| Warranty | 3 year | 3 year | 3 year |



| 10G Fiber SFP+ Modules | | |
|---|---|---|
| | TEG-10GBS40 | TEG-10GBS10 | TEG-10GBSR |
| Date rate | 10 Gigabit | 10 Gigabit | 10 Gigabit |
| Fiber mode | Single | Single | Multi |
| Distance | 40km (24.9 mi.) | 10km (6.2 mi.) | 550m (1804 ft.) |
| Digital Diagnostics Monitoring (DDM) | ✓ | ✓ | ✓ |
| Wavelength | 1550nm | 1310nm | 850nm |
| Warranty | Lifetime* | Lifetime* | Lifetime* |
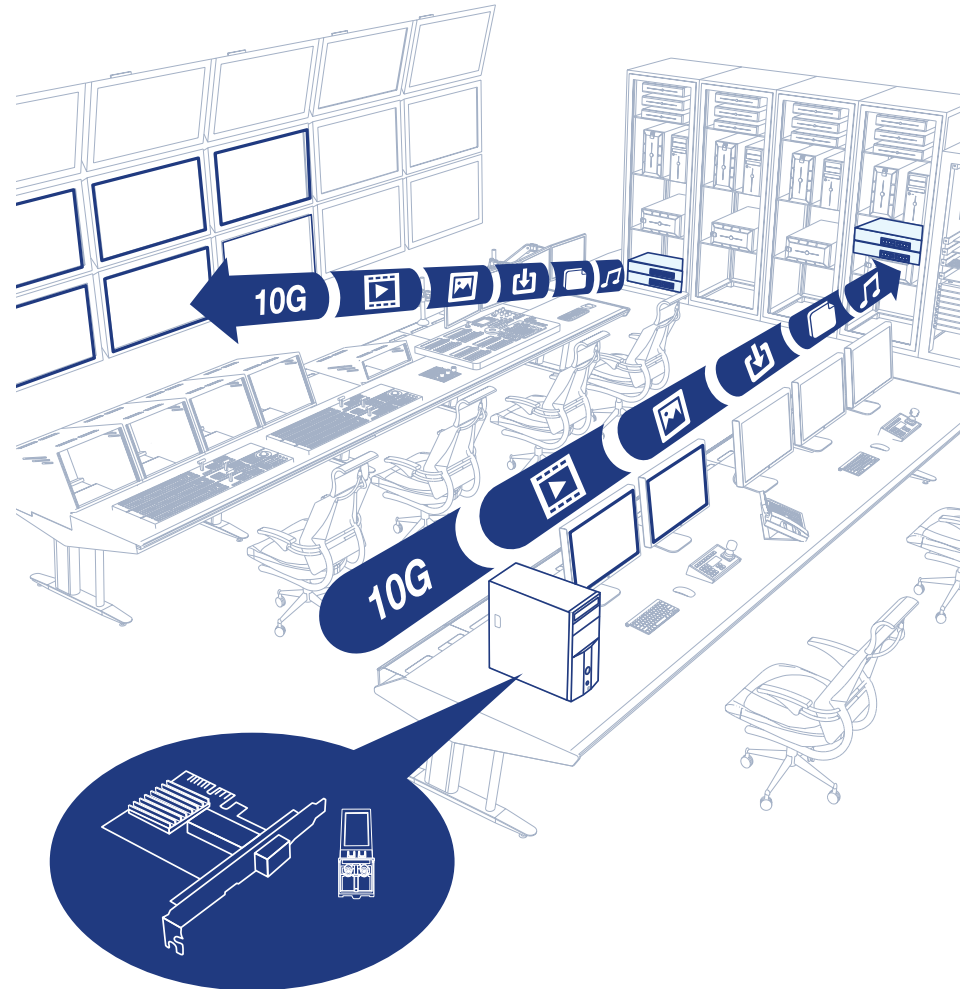


TEG-10GECSFP + TEG-10GBSR

*See warranty policy at TRENDnet.com

# PoE: Flexibility & Savings

**BANK**

Wireless Access Point

Wireless Access Point

Wireless Access Point

EdgeSmart Switch
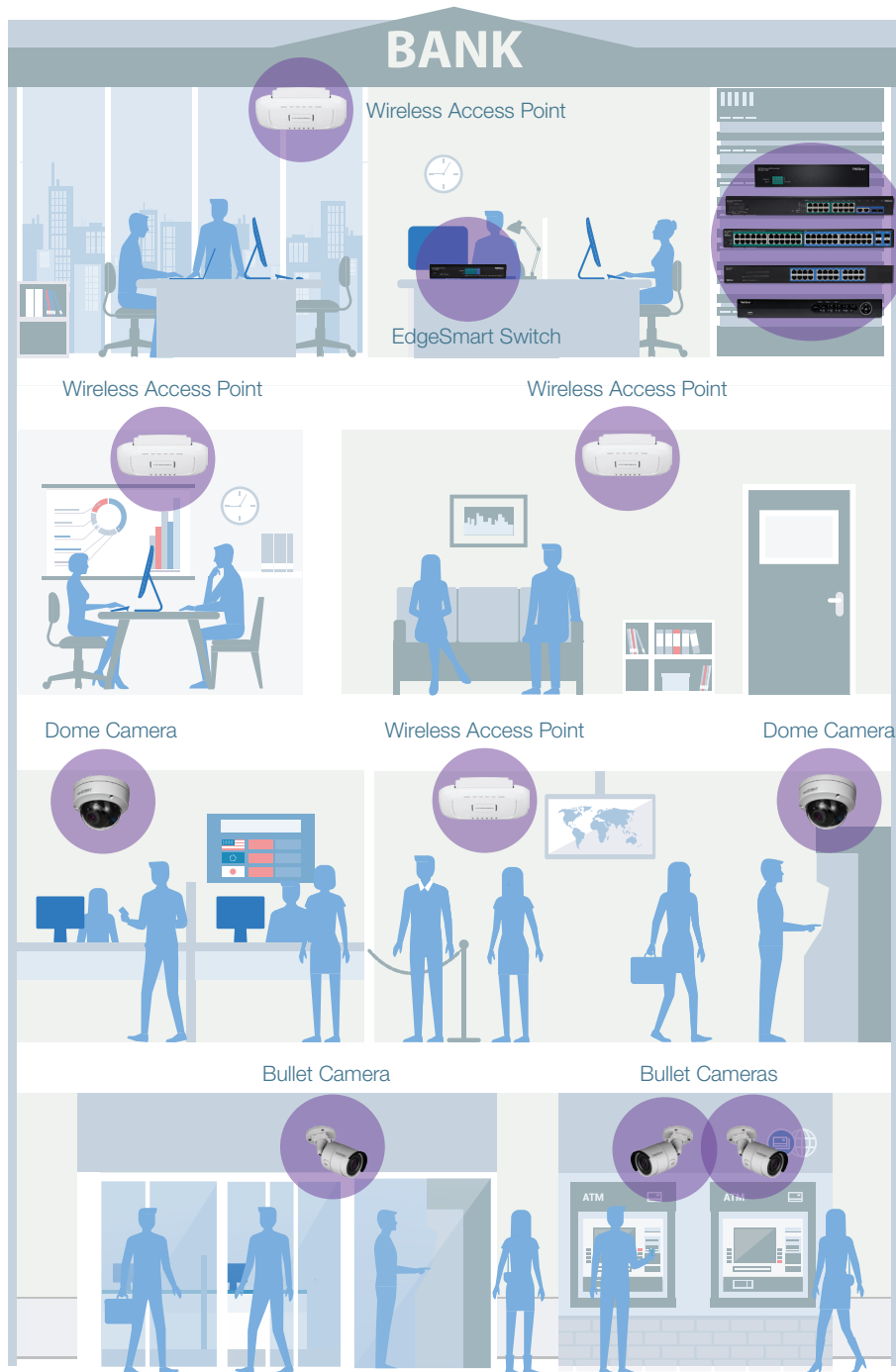
AP Controller
Smart Surveillance Switch
L2 Managed Switch
Unmanaged Switch
Network Video Recorder

Dome Camera

Wireless Access Point

Dome Camera

Bullet Camera

Bullet Cameras

ATM    ATM

Save on setup costs and installation time by delivering power and data over a single Ethernet cable to PoE devices such as IP cameras and access points. In addition to reduced cost and time, PoE has several other benefits including flexibility for remote installations, network scalability, and managed controls. PoE delivers 15.4 watts of power per port; PoE+ delivers 30 watts; and PoE++ delivers up to 95 watts of power per port.

**Français:**

Economisez sur les coûts d'installation et sur le temps d'installation en fournissant l'alimentation et les données sur un seul câble Ethernet aux dispositifs PoE tels que les caméras IP et les points d'accès. Outre la réduction des coûts et du temps, le PoE offre plusieurs autres avantages, dont la souplesse pour les installations à distance, l'évolutivité du réseau et les contrôles gérés.

**Deutsch:**

Sparen Sie Einrichtungskosten und Installationszeit, indem Sie Strom und Daten über ein einziges Ethernet-Kabel an PoE-Geräte wie IP-Kameras und Access Points liefern. Zusätzlich zu Kosten- und Zeitersparnis bietet PoE eine Reihe weiterer Vorteile, darunter Flexibilität für Remote-Installationen, Netzwerk-Skalierbarkeit und verwaltete Steuerungen.

**Português:**

Economize nos custos e no tempo de instalação fornecendo energia e dados através de um único cabo Ethernet para dispositivos PoE, como câmeras IP e pontos de acesso. Além de reduzir custos e tempo, o PoE tem vários outros benefícios, incluindo flexibilidade para instalações remotas, escalabilidade de rede e controles gerenciados.

**Español:**

Ahorre gastos y tiempo de instalación suministrando alimentación y datos mediante un solo cable Ethernet a dispositivos PoE como cámaras IP y puntos de acceso. Además de ahorrar gastos y tiempo, la tecnología PoE ofrece otras ventajas, como flexibilidad para instalaciones remotas, escalabilidad de red y controles administrados.

# PoE Managed Switches

| | L2 Managed PoE/PoE+ | | Gigabit Web Smart UPoE |
| --- | --- | --- | --- |
| | TL2-PG484 | TL2-PG284 | TPE-204US |
| Ports | 24 x Gigabit PoE+, 20 x Gigabit, 4 x Shared Gigabit (RJ-45/SFP), 1 x RJ-45 Console | 4 x Gigabit PoE+, 20 x Gigabit PoE, 4 x SFP, 1 x RJ-45 Console | 8 x Gigabit UPoE, 8 x Gigabit PoE+, 4 x Shared Gigabit (RJ-45/SFP) |
| PoE budget | 370W | 185W | 370W |
| Max. power per port | 30W | 30W | 30W / 60W |
| Switching capacity | 96Gbps | 56Gbps | 40Gbps |
| RAM buffer | 1MB | 1MB | 512KB |
| Forwarding rate | 71.4Mpps | 41.7Mpps | 29.8Mpps |
| MAC address table | 16K | 16K | 8K |
| VLAN | Asymmetric, port-based, 802.1Q, private, voice, GVRP, MAC-based, protocol-based | | Asymmetric, port-based, 802.1Q, private, voice, GVRP |
| ACL | IPv4 L2-L4 | IPv4 L2-L4 | IPv4 L2-L4 & IPv6 |
| IPv6 | ✓ | ✓ | ✓ |
| Static IP routing | - | - | ✓ |
| DoS prevention | ✓ | ✓ | ✓ |
| 802.1ab LLDP | ✓ | ✓ | ✓ |
| 802.1X | ✓ | ✓ | ✓ |
| Spanning tree | STP, RSTP, MSTP | STP, RSTP, MSTP | STP, RSTP, MSTP |
| Multicast (IGMP) | v1, v2, v3 | v1, v2, v3 | v1, v2, v3 |
| SNMP | v1, v2c, v3 | v1, v2c, v3 | v1, v2c, v3 |
| Port-based link aggregation | ✓ | ✓ | ✓ |
| Mounting | Rack | Rack | Rack |
| Fan | Smart fans | Smart fans | Smart fans |
| Warranty | Lifetime* | Lifetime* | Lifetime* |

*See warranty policy at TRENDnet.com    Not available in Europe / UK.

**ONVIF® Conformant**
Profile Q

**PoE Self-Healing**
PoE device
auto-recovery &
power scheduling

**Manage Cameras**
from switch interface

**Real-Time Data**
for monitoring &
troubleshooting

**Extend PoE Signal**
up to 656 ft./200m
at 10Mbps

**Front Panel LED**
displays PoE power
statistics

| | Gigabit Web Smart PoE+ | |
| --- | --- | --- |
| | TPE-3018LS | TPE-3012LS |
| Ports | 16 x Gigabit PoE+, 2 x Shared Gigabit (RJ-45/SFP) | 8 x Gigabit PoE+, 2 x Gigabit, 2 x SFP |
| PoE budget | 220W | 110W |
| Max. power per port | 30W | 30W |
| Switching capacity | 36Gbps | 24Gbps |
| RAM buffer | 512KB | 512KB |
| Forwarding rate | 26.7Mpps | 17.8Mpps |
| MAC address table | 8K | 8K |
| VLAN | Asymmetric, port-based, 802.1Q, private, voice, GVRP | |
| ACL | IPv4 L2-L4 & IPv6 | IPv4 L2-L4 & IPv6 |
| IPv6 | ✓ | ✓ |
| DoS prevention | ✓ | ✓ |
| 802.1ab LLDP | ✓ | ✓ |
| 802.1X | ✓ | ✓ |
| Spanning tree | STP, RSTP, MSTP | STP, RSTP, MSTP |
| Multicast (IGMP) | v1, v2, v3 | v1, v2, v3 |
| SNMP | v1, v2c, v3 | v1, v2c, v3 |
| Port-based link aggregation | ✓ | ✓ |
| Mounting | Rack | Rack |
| Fan | Smart fans | Fanless |
| Warranty | Lifetime* | Lifetime* |

*See warranty policy at TRENDnet.com

# PoE Managed Switches

| | Gigabit Web Smart PoE+ | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | TPE-5048WS | TPE-5240WS | TPE-5028WS | TPE-2840WS | TPE-1620WSF | TPE-1620WS | TPE-1021WS | TPE-082WS | TPE-1020WS |
| Ports | 48 x Gigabit PoE+, 4 x Shared Gigabit (RJ-45/SFP) | 48 x Gigabit PoE+, 4 x Shared Gigabit (RJ-45/SFP) | 24 x Gigabit PoE+, 4 x Shared Gigabit (RJ-45/SFP) | 24 x Gigabit PoE+, 4 x Shared Gigabit (RJ-45/SFP) | 16 x Gigabit PoE+, 4 x Shared Gigabit (RJ-45/SFP) | 16 x Gigabit PoE+, 4 x Shared Gigabit (RJ-45/SFP) | 8 x Gigabit PoE+, 2 x SFP | 8 x Gigabit PoE+, 2 x SFP | 8 x Gigabit PoE+, 2 x Shared Gigabit (RJ-45/SFP) |
| PoE budget | 740W | 370W | 370W | 185W | 370W | 185W | 130W | 75W | 75W |
| Max. power per port | 30W | 30W | 30W | 30W | 30W | 30W | 30W | 30W | 30W |
| Switching capacity | 104Gbps | 104Gbps | 56Gbps | 56Gbps | 40Gbps | 40Gbps | 20Gbps | 20Gbps | 20Gbps |
| RAM buffer | 1.5MB | 1.5MB | 512KB | 512KB | 512KB | 512KB | 512KB | 512KB | 1MB |
| Forwarding rate | 77.4Mpps | 77.4Mpps | 41.7Mpps | 41.7Mpps | 29.8Mpps | 29.8Mpps | 14.9Mpps | 14.9Mpps | 14.9Mpps |
| MAC address table | 16K | 16K | 8K | 8K | 8K | 8K | 8K | 8K | 8K |
| VLAN | Asymmetric, port-based, 802.1Q, private, voice, GVRP, multicast | | | | | | | | Asymmetric, port-based, 802.1Q, private, voice, GVRP |
| ACL | IPv4 L2-L4 & IPv6 | IPv4 L2-L4 & IPv6 | IPv4 L2-L4 & IPv6 | IPv4 L2-L4 & IPv6 | IPv4 L2-L4 & IPv6 | IPv4 L2-L4 & IPv6 | IPv4 L2-L4 & IPv6 | IPv4 L2-L4 & IPv6 | IPv4 L2-L4 & IPv6 |
| IPv6 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Static IP routing | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | - |
| DoS prevention | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 802.1ab LLDP | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 802.1X | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Spanning tree | STP, RSTP, MSTP | STP, RSTP, MSTP | STP, RSTP, MSTP | STP, RSTP, MSTP | STP, RSTP, MSTP | STP, RSTP, MSTP | STP, RSTP, MSTP | STP, RSTP, MSTP | STP, RSTP, MSTP |
| Multicast (IGMP) | v1, v2, v3 | v1, v2, v3 | v1, v2, v3 | v1, v2, v3 | v1, v2, v3 | v1, v2, v3 | v1, v2, v3 | v1, v2, v3 | v1, v2, v3 |
| SNMP | v1, v2c, v3 | v1, v2c, v3 | v1, v2c, v3 | v1, v2c, v3 | v1, v2c, v3 | v1, v2c, v3 | v1, v2c, v3 | v1, v2c, v3 | v1, v2c, v3 |
| Port-based link aggregation | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Mounting | Rack | Rack | Rack | Rack | Rack | Rack | Rack | Rack | Rack |
| Fan | Smart fans | Smart fans | Smart fans | Smart fans | Smart fans | Smart fans | Fanless | Fanless | Fanless |
| Warranty | Lifetime* | Lifetime* | Lifetime* | Lifetime* | Lifetime* | Lifetime* | Lifetime* | Lifetime* | Lifetime* |

*See warranty policy at TRENDnet.com      Not available in Europe / UK.

# PoE Managed Switches & PoE Solutions

| | 10/100 Web Smart PoE+ | Gigabit EdgeSmart PoE+ | | | EdgeSmart PoE Powered |
|---|---|---|---|---|---|
| | TPE-224WS | TPE-TG82ES | TPE-TG44ES | TPE-TG50ES | TPE-P521ES |
| Ports | 4 x 10/100Mbps PoE+, 20 x 10/100Mbps PoE, 2 x Gigabit, 2 x Shared Gigabit (RJ-45/SFP) | 8 x Gigabit PoE+ | 4 x Gigabit PoE+, 4 x Gigabit | 4 x Gigabit PoE+, 1 x Gigabit | 1 x Gigabit PoE+ in, 2 x Gigabit PoE out, 2 x Gigabit |
| PoE budget | 193W | 64W | 60W | 31W | 18W (PoE+ in), 8W (PoE in) |
| Max. power per port | 30W | 30W | 30W | 30W | 18W |
| Switching capacity | 12.8Gbps | 16Gbps | 16Gbps | 10Gbps | 10Gbps |
| RAM buffer | 512KB | 192KB | 192KB | 125KB | 512KB |
| Forwarding rate | 9.5Mpps | 11.9Mpps | 11.9Mpps | 7.44Mpps | 7.4Mpps |
| MAC address table | 8K | 4K | 4K | 2K | 2K |
| VLAN | Asymmetric, port-based, 802.1Q, private, voice, GVRP | Asymmetric, port-based, 802.1Q, private, voice | Port-based, 802.1Q | Asymmetric, port-based, 802.1Q, private, voice | Asymmetric, port-based, 802.1Q, private, voice |
| ACL | IPv4 L2-L4 & IPv6 | - | - | - | - |
| IPv6 | ✓ | - | - | - | - |
| DoS prevention | ✓ | - | - | - | - |
| 802.1ab LLDP | ✓ | - | - | - | - |
| 802.1X | ✓ | - | - | - | - |
| Spanning tree | STP, RSTP, MSTP | STP, RSTP | - | STP, RSTP | STP, RSTP |
| Multicast (IGMP) | v1, v2, v3 | v1, v2, v3 | v1, v2, v3 | v1, v2, v3 | v1, v2, v3 |
| SNMP | v1, v2c, v3 | v1, v2c | - | v1, v2c | v1, v2c |
| Port-based link aggregation | ✓ | ✓ | ✓ | ✓ | ✓ |
| Mounting | Rack | Wall | Wall | Wall | Wall |
| Fan | Smart fans | Fanless | Fanless | Fanless | Fanless |
| Warranty | Lifetime* | Lifetime* | Lifetime* | Lifetime* | Lifetime* |

| Injectors | | | | | Splitters | Extenders | |
|---|---|---|---|---|---|---|---|
| TPE-215GI | TPE-147GI | TPE-119GI | TPE-117GI | TPE-115GI | TPE-104GS | TPE-E100 | TPE-E110 |
| 2.5G PoE+ Injector | 65W 4-Port Gigabit PoE+ Injector | Gigabit PoE++ 90W Injector | Gigabit Ultra PoE 60W Injector | Gigabit PoE+ 30W Injector | Gigabit PoE Splitter | Gigabit PoE+ Extender | Gigabit PoE+ Extender / Amplifier |
| | Converts a network data signal into a PoE Ethernet connection | | | | Splits a PoE signal into separate data and power sources | Extends a PoE network connection for up to 100m (328 ft.) without the use of a power adapter | |

*See warranty policy at TRENDnet.com     Not available in Europe / UK.

# PoE Unmanaged Switches

## Gigabit PoE+

| | TPE-TG240g | TPE-TG160g | TPE-TG160H | TPE-TG80g | TPE-TG81g | TPE-TG82g | TPE-TG611 | TPE-TG44g | TPE-TG50g |
|---|---|---|---|---|---|---|---|---|---|
| Ports | 24 x Gigabit PoE+ | 16 x Gigabit PoE+ | 16 x Gigabit PoE+ | 8 x Gigabit PoE+ | 8 x Gigabit PoE+ | 8 x Gigabit PoE+ | 4 x Gigabit PoE+, 1 x Gigabit, 1 x SFP | 4 x Gigabit PoE+, 4 x Gigabit | 4 x Gigabit PoE+, 1 x Gigabit |
| PoE budget | 370W | 246W | 123W | 123W | 110W | 61W | 65W | 61.6W | 31W |
| Max. power per port | 30W | 30W | 30W | 30W | 30W | 30W | 30W | 30W | 30W |
| Switching capacity | 48Gbps | 32Gbps | 32Gbps | 16Gbps | 16Gbps | 16Gbps | 12Gbps | 16Gbps | 10Gbps |
| RAM buffer | 512KB | 512KB | 512KB | 128KB | 192KB | 128KB | 128KB | 128KB | 128KB |
| MAC address table | 8K | 8K | 8K | 9K | 4K | 8K | 2K | 8K | 8K |
| Mounting | Rack | Rack | Rack | - | Rack | - | - | - | - |
| Power adapter | Internal | Internal | External | External | Internal | External | External | External | External |
| Warranty | Lifetime* | Lifetime* | Lifetime* | Lifetime* | Lifetime* | Lifetime* | Lifetime* | Lifetime* | Lifetime* |

| | Gigabit PoE++ | | High Power PoE+ | | Long Range PoE | | | 10/100 PoE+ | | 10/100 PoE |
|---|---|---|---|---|---|---|---|---|---|---|
| | TPE-BG182g | TPE-BG102g | TPE-TG182F | TPE-TG80F | TPE-LG80 | TPE-TG51g | TPE-LG50 | TPE-T80H | TPE-S50 | TPE-S44 |
| Ports | 8 x Gigabit PoE++, 8 x Gigabit PoE+, 2 x SFP | 4 x Gigabit PoE++, 4 x Gigabit PoE+, 2 x SFP | 16 x Gigabit PoE+, 2 x Shared Gigabit (RJ-45/SFP) | 8 x Gigabit PoE+ | 8 x Gigabit PoE+ | 4 x Gigabit PoE+, 1 x Gigabit | 4 x Gigabit PoE+, 1 x Gigabit | 8 x 10/100Mbps PoE+ | 4 x 10/100Mbps PoE+, 2 x 10/100Mbps | 4 x 10/100Mbps PoE, 4 x 10/100Mbps |
| PoE budget | 440W | 240W | 440W | 240W | 65W | 60W | 32W | 110W | 60W | 30W |
| Max. power per port | 95W | 95W | 30W | 30W | 30W | 30W | 30W | 30W | 30W | 15.4W |
| Switching capacity | 36Gbps | 20Gbps | 36Gbps | 16Gbps | 16Gbps | 10Gbps | 10Gbps | 1.6Gbps | 1.2Gbps | 1.6Gbps |
| RAM buffer | 512KB | 512KB | 512KB | 192KB | 192KB | 128KB | 128KB | 56KB | 96KB | 96KB |
| MAC address table | 8K | 8K | 8K | 4K | 4K | 2K | 2K | 1K | 2K | 2K |
| Mounting | Rack | Rack | Rack | Rack | Wall | Wall | Wall | Rack | Wall | - |
| Power adapter | Internal | Internal | Internal | Internal | External | External | External | Internal | Internal | External |
| Warranty | Lifetime* | Lifetime* | Lifetime* | Lifetime* | Lifetime* | Lifetime* | Lifetime* | Lifetime* | Lifetime* | Lifetime* |

# Rugged Industrial Networking

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.

## Industrial Enclosure Application

Industrial switches are often installed inside rugged enclosures with an outdoor weather rating.

TI-CA2 shown above.

### 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 switchs 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 Managed Switches

| | Industrial L2 Managed PoE+ | | | | Industrial L2 Managed | | |
|---|---|---|---|---|---|---|---|
| | TI-RP262i | TI-PG1284i | TI-PG102i | TI-PG541i | TI-G160i | TI-G102i | TI-G642i |
| Ports | 24 x Gigabit PoE+, 2 x SFP | 8 x Gigabit PoE+, 4 x Gigabit SFP, 1 x Console | 8 x Gigabit PoE+, 2 x Gigabit SFP | 4 x Gigabit PoE+, 1 x Gigabit, 1 x SFP | 16 x Gigabit | 8 x Gigabit, 2 x SFP | 4 x Gigabit, 2 x SFP |
| PoE budget | 685W | 240W | 240W @ 48V input, 124W @ 24V input | 120W | - | - | - |
| Max. power per port | 30W | 30W | 30W | 30W | - | - | - |
| Switching capacity | 52Gbps | 24Gbps | 20Gbps | 12Gbps | 32Gbps | 20Gbps | 12Gbps |
| RAM buffer | 512KB | 128MB | 128MB | 128MB | 128MB | 128MB | 128MB |
| Forwarding rate | 38.7Mpps | 17.86Mpps | 14.8Mpps | 8.93Mpps | 23.8Mpps | 14.88Mpps | 18.9Mpps |
| MAC address table | 8K | 16K | 8K | 8K | 8K | 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 | Port-based, 802.1Q, MAC-based, port isolation | Port-based, 802.1Q, MAC-based, port isolation | Port-based, 802.1Q, MAC-based, port isolation | Port-based, 802.1Q, MAC-based, port isolation |
| ACL | IPv4 L2-L4 | IPv4 L2-L4 | IPv4 L2-L4 | IPv4 L2-L4 | IPv4 L2-L4 | IPv4 L2-L4 | IPv4 L2-L4 |
| IPv6 | - | IPv6 static IP address, DHCPv6 client | - | - | - | - | - |
| 802.1ab LLDP | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 802.1X | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Spanning tree | STP, RSTP | STP, RSTP, MSTP | STP, RSTP | STP, RSTP | STP, RSTP | STP, RSTP | STP, RSTP |
| ERPS | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Multicast (IGMP) | v1, v2, v3 | v1, v2, v3 | v1, v2, v3 | v1, v2, v3 | v1, v2, v3 | v1, v2, v3 | v1, v2, v3 |
| SNMP | v1, v2c, v3 | v1, v2c, 3 | v1, v2c, v3 | v1, v2c, v3 | v1, v2c, v3 | v1, v2c, v3 | v1, v2c, v3 |
| Port-based link aggregation | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Temperature | -40° − 70° C (-40° − 158° 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) | -40° − 75° C (-40° − 167° F) | -40° − 75° C (-40° − 167° F) |
| Housing | IP30 | IP30 | IP30 | IP30 | IP30 | IP30 | IP30 |
| Mounting | Rack | DIN-Rail | DIN-Rail, Wall | DIN-Rail | DIN-Rail | DIN-Rail | DIN-Rail |
| Power supply | TI-RSP100048** | TI-S48048** | TI-S48048** | 48VDC3000, TI-S24048** | TI-S12048** | TI-M6024** | TI-M6024** |
| Warranty | Lifetime* | Lifetime* | Lifetime* | Lifetime* | Lifetime* | Lifetime* | Lifetime* |

*See warranty policy at TRENDnet.com    **Power supply required

| | PoE++ | Industrial Gigabit PoE+ Switches | | | | | | | Industrial 10/100 PoE+ | |
|---|---|---|---|---|---|---|---|---|---|---|
| | TI-UPG62 | TI-PG160 | TI-PG162 | TI-PG102 | TI-PG80 | TI-PG62 | TI-PG541 | TI-PG50 | TI-PE80 | TI-PE50 |
| Ports | 4 x Gigabit PoE++, 1 x Gigabit, 2 x SFP | 16 x Gigabit PoE+ | 14 x Gigabit PoE+, 2 x Gigabit 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+, 1 x Gigabit | 8 x 10/100Mbps PoE+ | 4 x 10/100Mbps PoE+, 1 x 10/100Mbps |
| PoE budget | 240W | 240W | 240W | 240W | 200W | 120W | 120W | 120W | 200W | 90W |
| Max. power per port | 90W | 30W | 30W | 30W | 30W | 30W | 30W | 30W | 30W | 30W |
| Switching capacity | 12Gbps | 32Gbps | 32Gbps | 20Gbps | 16Gbps | 12Gbps | 12Gbps | 10Gbps | 1.6Gbps | 1Gbps |
| RAM buffer | 1MB | 512KB | 512KB | 2MB | 1MB | 1MB | 512KB | 128KB | 1MB | 56KB |
| MAC address table | 1K | 8K | 8K | 16K | 8K | 1K | 8K | 2K | 1K | 1K |
| Temperature | -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 |
| Mounting | DIN-Rail, Wall | DIN-Rail, Wall | DIN-Rail, Wall | DIN-Rail, Wall | DIN-Rail, Wall | DIN-Rail, Wall | DIN-Rail | DIN-Rail, Wall | DIN-Rail, Wall | DIN-Rail, Wall |
| Power supply | TI-S48048** | TI-S48048** | TI-S48048** | 48VDC3000, TI-S24048** | TI-S24048** | 48VDC3000, TI-S12048, TI-S24048** | 48VDC3000, TI-S12048, TI-S24048** | TI-S12048**, TI-S24048** | TI-S24048** | TI-M6024, TI-S12048** |
| Warranty | Lifetime* | Lifetime* | Lifetime* | Lifetime* | Lifetime* | Lifetime* | Lifetime* | Lifetime* | Lifetime* | Lifetime* |

| | Industrial Gigabit Switches | | | | | Industrial 10/100 Switches | |
|---|---|---|---|---|---|---|---|
| | TI-G162 | TI-G102 | TI-G80 | TI-G50 | TI-G62 | TI-E80 | TI-E50 |
| Ports | 14 x Gigabit, 2 x Gigabit SFP | 8 x Gigabit, 2 x Shared Gigabit (RJ-45/SFP) | 8 x Gigabit | 5 x Gigabit | 4 x Gigabit, 1 x SFP, 1 x Shared Gigabit (RJ-45/SFP) | 8 x 10/100Mbps | 5 x 10/100Mbps |
| Switching capacity | 32Gbps | 20Gbps | 16Gbps | 10Gbps | 12Gbps | 1.6Gbps | 1Gbps |
| RAM buffer | 512KB | 2MB | 1MB | 1MB | 1MB | 56KB | 56KB |
| MAC address table | 8K | 16K | 8K | 8K | 2K | 1K | 1K |
| 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) | -40° – 75° C (-40° – 167° F) | -40° – 75° C (-40° – 167° F) |
| Housing | IP30 | IP30 | IP30 | IP30 | IP30 | IP30 | IP30 |
| Mounting | DIN-Rail, Wall | DIN-Rail, Wall | DIN-Rail, Wall | DIN-Rail, Wall | DIN-Rail, Wall | DIN-Rail, Wall | DIN-Rail, Wall |
| Power supply | TI-M6024** | TI-M6024** | TI-M6024** | TI-M6024** | TI-M6024** | TI-M6024** | TI-M6024** |
| Warranty | Lifetime* | Lifetime* | Lifetime* | Lifetime* | Lifetime* | Lifetime* | Lifetime* |

*See warranty policy at TRENDnet.com        **Power supply required

# Industrial Specialty Switches & PoE Solutions

| | Variable Voltage | | EN50155 M12 Switch | Front Access Switches | | | |
|---|---|---|---|---|---|---|---|
| | TI-PG80B | TI-PG62B | TI-TPG80 | TI-PG102F | TI-PG80F | TI-PG62F | TI-PG50F |
| Ports | 8 x Gigabit PoE+ | 4 x Gigabit PoE+, 2 x SFP | 8 x M12 Gigabit PoE+ | 8 x Gigabit PoE+, 2 x SFP | 8 x Gigabit PoE+ | 4 x Gigabit PoE+, 2 x Gigabit SFP | 4 x Gigabit PoE+, 1 x Gigabit |
| PoE budget | 120W – 200W | 60 – 120W | 200W@48V DC, 100W@24V DC | 240W | 200W | 120W | 120W |
| Max. power per port | 30W | 30W | 30W | 30W | 30W | 30W | 30W |
| Switching capacity | 16Gbps | 12Gbps | 16Gbps | 20Gbps | 16Gbps | 12Gbps | 10Gbps |
| RAM buffer | 1MB | 1MB | 2MB | 256KB | 1MB | 128KB | 1MB |
| MAC address table | 4K | 1K | 11K | 16K | 4K | 1K | 2K |
| 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) | -40° – 75° C (-40° – 167° F) | -40° – 75° C (-40° – 167° F) |
| Housing | IP30 | IP30 | IP30 | IP30 | IP30 | IP30 | IP30 |
| Mounting | DIN-Rail, Wall | DIN-Rail, Wall | Wall | Wall, DIN-Rail | Wall, DIN-Rail | DIN-Rail, Magnet | Wall, DIN-Rail |
| Power supply | TI-S24048, TI-S12024** | TI-S12024, TI-S12048** | TI-S12024, TI-S12048** | TI-S24048, TI-S48048, 48VDC3000** | TI-S24048, TI-S48048, 48VDC3000** | TI-S12048, TI-S24048, 48VDC3000** | TI-S24048, TI-S48048, 48VDC3000** |
| Warranty | Lifetime* | Lifetime* | Lifetime* | Lifetime* | Lifetime* | Lifetime* | Lifetime* |

| | Industrial Gigabit PoE Injectors / Extenders / Splitter | | | | | | Industrial USB Hub |
|---|---|---|---|---|---|---|---|
| | TI-IG90 | TI-IG60 | TI-IG30 | TI-EU120 | TI-E100 | TI-SG104 | TI-H73 |
| Description | PoE++ Injector | UPoE Injector | PoE+ Injector | 2-Port Outdoor UPoE Extender | PoE+ Extender | UPoE Splitter | 7-Port USB Hub |
| PoE budget | 90W | 60W | 30W | 64W | 30W | - | - |
| 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) | -40° – 80° C (-40° – 185° F) | -0° – 70° C (32° – 158° F) |
| Housing | IP30 | IP30 | IP30 | IP67 | IP30 | IP30 | IP30 |
| Mounting | DIN-Rail, Wall | DIN-Rail, Wall | DIN-Rail, Wall | Wall | DIN-Rail, Wall | DIN-Rail, Wall | DIN-Rail |
| Power supply | TI-S12048** | TI-S12048** | TI-S12048** | PD power input: 30W, 60W, 95W | TI-S12048** | DC output: 12V, 16V, 24V, 48V | TI-M6024** |
| Warranty | 3 year | 3 year | 3 year | 3 year | 3 year | 3 year | 2 year |

*See warranty policy at TRENDnet.com          **Power supply required

# Industrial Fiber

| | Industrial Gigabit Fiber Converters | | | Industrial 100 Mbps 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) | -40° − 75° C (-40° − 167° F) | -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 |
| Mounting | DIN-Rail, Wall | DIN-Rail, Wall | DIN-Rail, Wall | DIN-Rail, Wall | DIN-Rail, Wall |
| Power supply | TI-S12048** | TI-S12048** | TI-M6024** | TI-M6024** | TI-M6024** |
| Warranty | Lifetime* | Lifetime* | Lifetime* | Lifetime* | Lifetime* |

| | Industrial SFP Modules | | |
|---|---|---|---|
| | TI-MGBS40 | TI-MGBS10 | TI-MGBSX |
| Fiber mode | Single (40km) | Single (10km) | Multi (550m) |
| Warranty | Lifetime* | Lifetime* | Lifetime* |

*See warranty policy at TRENDnet.com          **Power supply required

# SMB Wireless Solutions

Workplace connectivity is crucial for efficient and productive offices. TRENDnet's reliable SMB wireless solutions keep you connected to what's important.

**Français:**

La connectivité sur le lieu de travail est essentielle pour des bureaux efficaces et productifs. Les solutions WiFi fiables de TRENDnet pour les PME vous permettent de rester connecté à l'essentiel. La gamme WiFi PME avancée de TRENDnet comprend des routeurs professionnels, des contrôleurs matériels et des points d'accès intérieurs et extérieurs.

**Deutsch:**

Die Konnektivität am Arbeitsplatz ist für effiziente und produktive Büros unabdingbar. Mit den zuverlässigen SMB-Wireless-Lösungen von TRENDnet bleiben Sie in Verbindung mit dem, was wichtig ist. Das erweiterte SMB Wi-Fi-Portfolio von TRENDnet umfasst Business-Router, Hardware-Controller und Access Points für den Innen- und Außenbereich.

**Português:**

A conectividade no local de trabalho é crucial para escritórios eficientes e produtivos. As soluções sem fio SMB da TRENDnet são confiáveis e mantêm você conectado ao que é importante. O avançado portfólio SMB WiFi da TRENDnet inclui roteadores comerciais, controladores de hardware e pontos de acesso internos e externos.

**Español:**

La conectividad en el entorno de trabajo resulta crucial para lograr unas oficinas eficientes y productivas. Las soluciones wireless confiables para PyMES de TRENDnet le mantienen conectado a lo más importante. La serie de productos WiFi avanzados para PyMES de TRENDnet abarca routers empresariales, controladores de hardware, así como puntos de acceso interiores y exteriores.

## Business Routers

Ensures optimal performance, scalability, and protection for your network. Features advanced content filtering with Bark.

## Hardware Controllers

Designed to simplify management and setup processes for up to 128 TRENDnet access points. Supports seamless WiFi roaming.

## Indoor & Outdoor Access Points

Indoor APs to maximize WiFi coverage and minimize dead spots. Outdoor APs for surveillance systems and building-to-building connectivity.

# SMB Routers & LAN Controllers

| Business Routers | | |
|---|---|---|
| | TEW-829DRU | TWG-431BR |
| Wireless rating | AC3000 | - |
| Max. data rate / WiFi band | 1733Mbps (5GHz1) + 867Mbps (5GHz2) + 400Mbps (2.4GHz) | - |
| Ports | 8 x Gigabit LAN, 2 x Gigabit WAN, 1 x USB 3.0, 1 x RJ-45 Console | 5 x Gigabit (4WAN + 1LAN OR 4LAN + 1WAN), 1 x USB 3.0, 1 x RJ-45 Console |
| Features | Bark*, Mutli-WAN, VPN router, rack mountable, wall mountable | Bark*, Mutli-WAN, VPN router, rack mountable |
| VPN | PPTP / L2TP, L2TP w/ IPsec, IPsec, SSL VPN | PPTP / L2TP, L2TP w/ IPsec, IPsec, SSL VPN |
| Multi-WAN | Fail-over, load balancing, WAN protocol binding | Fail-over, load balancing |
| Access controls | Bark*, MAC / IP filter, DMZ / Port Forwarding / One-to-One NAT | Bark*, MAC / IP filter, DMZ / Port Forwarding |
| Management | HTTP / HTTPS, Telnet / SSH, console | HTTP / HTTPS, Telnet / SSH, console |
| VLAN | 802.1Q VLAN / Inter-VLAN routing; multiple SSID w/ VLAN tagging | 802.1Q VLAN / Inter-VLAN routing |
| Scheduling | Auto power cycle, auto update, radios on/off | Auto power cycle, auto update, WoL |
| Warranty | 3 year | 3 year |

| | PoE+ Wireless LAN Controller | Wireless LAN Controller |
|---|---|---|
| | TEW-WLC100P | TEW-WLC100 |
| Features | Centralized AP management & seamless WiFi roaming, 60W PoE budget | Centralized AP management & seamless WiFi roaming |
| Ports | 4 x Gigabit PoE+, 1 x Gigabit, 1 x USB | 5 x Gigabit, 1 x USB |
| Max. APs | Up to 128 | |
| Seamless roaming | 802.11k, 802.11r, OKC | |
| AP management | Bandwidth control, IP address settings, client blacklist, grouping, provisioning, batch upgrades, RSSI threshold, SSID encryption | |
| VLAN | 802.1Q | |
| WLAN monitoring | AP, clients, statistics | |
| Hotspot | Customizable Captive Portal support | |
| Map view | WAP Maps™ provide visual overview | |
| Compatible APs | TEW-826DAP, TEW-825DAP, TEW-821DAP, TEW-755AP | |
| Warranty | 3 year | 3 year |

Not available in Europe / UK.    *Service fees apply.

| | Outdoor | | | | | Indoor | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | **TEW-841APBO** | **TEW-840APBO** | **TEW-840APBO2K** | **TEW-740APBO** | **TEW-740APBO2K** | **TEW-921DAP** | **TEW-826DAP** | **TEW-825DAP** | **TEW-821DAP** | **TEW-755AP** |
| Features | Omni-Directional, Point-to-Point, Point-to-Multi-Point | Point-to-Point / CPE | Preconfigured, Point-to-Point, Bridge Kit | Point-to-Point / CPE | Preconfigured, Point-to-Point, Bridge Kit | WiFi 6 AX1800 | Wireless Wave 2 AC2200 | Wireless AC1750 | Wireless Wave 2 AC1200 | Wireless N300 |
| Max. data rate / WiFi band | 867Mbps / 5GHz AC 400Mbps / 2.4GHz N | 867Mbps / 5GHz AC | | 300Mbps / 2.4GHz N | | 1200Mbps / 5GHz 574Mbps / 2.4GHz | 867Mbps / 5GHz AC1 867Mbps / 5GHz AC2 400Mbps / 2.4GHz N | 1300Mbps 5GHz AC / 450Mbps 2.4GHz N | 867Mbps / 5GHz AC 400Mbps / 2.4GHz N | 300Mbps / 2.4GHz N |
| Ports | 1 x Gigabit PoE+ | 1 x Gigabit Proprietary PoE, 1 x Gigabit LAN2 | | 1 x 10/100Mbps Proprietary PoE, 1 x 10/100Mbps LAN2 | | 1 x Gigabit PoE+ | 1 x Gigabit PoE+, 1 x Gigabit | 1 x Gigabit PoE+ | 1 x Gigabit PoE | 1 x Gigabit PoE |
| Antenna strength | 4 x 5 dBi | 14 dBi directional | | 10 dBi directional | | 2.4GHz: 2 x 3.2 dBi 5GHz: 2 x 4.3 dBi | 2.4GHz: 2 x 5 dBi 5GHz1: 2 x 5 dBi 5GHz2: 2 x 5 dBi | 2.4GHz: 3 x 4 dBi 5GHz: 3 x 4 dBi | 2.4GHz: 2 x 3 dBi 5GHz: 2 x 4 dBi | 2.4GHz: 2 x 4 dBi |
| Management utility | - | - | | - | | - | ✓ | ✓ | ✓ | ✓ |
| Wireless Distribution System (WDS) | ✓ | ✓ | | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ |
| Repeater mode | - | - | | - | | ✓ | ✓ | ✓ | ✓ | ✓ |
| Client mode | Client Bridge | Client Bridge + AP, WISP (CPE) + AP | | Client Bridge + AP, WISP (CPE) + AP | | Client Bridge | AP Client | AP Client | AP Client | AP Client |
| Additional SSIDs | 16 (8 per band) | 7 | | 7 | | 16 (8 per band) | 24 (8 per band) | 16 (8 per band) | 16 (8 per band) | 8 |
| Max. encryption | WPA2 | WPA2 | | WPA2 | | WPA3 | WPA2 | WPA2 | WPA2 | WPA2 |
| Operating temp. | -25° – 60° C (-13° – 140° F) | -20° – 60° C (-4° – 140° F) | | -20° – 60° C (-4° – 140° F) | | -10° – 70° C (14° – 158° F) | 0° – 40° C (32° – 104° F) | 0° – 40° C (32° – 104° F) | 0° – 40° C (32° – 104° F) | 0° – 40° C (32° – 104° F) |
| Mounting hardware | ✓ | ✓ | | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ |
| Housing | IP67 | IP56 | | IPX6 | | - | IP30 | IP30 | IP30 | IP30 |
| Warranty | 3 year | 3 year | | 3 year | | 3 year | 3 year | 3 year | 3 year | 3 year |

Not available in Canada.     Not available in Europe / UK.

# High-Definition Surveillance Solutions

## IP Cameras

TRENDnet's large surveillance camera portfolio allows you to choose the solutions ideally suited for your project(s). TRENDnet cameras are available with a wide range of options including 4K support, PoE, night vision, tamper resistance, and other advanced features. New TRENDnet camera models support Mira, a free VMS and mobile app.

## Network Video Recorders

TRENDnet's HD NVR surveillance systems are comprehensive and cost-effective camera management solutions, allowing you to easily manage your entire surveillance network from a single interface.  Navigate the intuitive interface to set live view preferences, recording schedules, and advanced playback options.

**Français:**

La gamme de caméras de surveillance TRENDnet vous permet de choisir les solutions idéales pour vos projets. Les systèmes de surveillance NVR HD de TRENDnet sont des solutions de gestion de caméras complètes et économiques, vous permettant de gérer facilement l'ensemble de votre réseau de surveillance à partir d'une seule interface.

**Deutsch:**

Mit dem Überwachungskamera-Portfolio von TRENDnet können Sie die für Ihre Projekte optimal geeigneten Lösungen auszuwählen. Die HD-NVR-Überwachungssysteme von TRENDnet sind umfassende und kostengünstige Kameramanagement-Lösungen, mit denen Sie Ihr gesamtes Überwachungsnetzwerk einfach über eine einzige Schnittstelle verwalten können.

**Português:**

O portfólio de câmeras de vigilância da TRENDnet permite que você escolha as soluções ideais para seus projetos. Os sistemas de vigilância HD NVR da TRENDnet são soluções de gerenciamento de câmera abrangentes e econômicas, permitindo que você gerencie facilmente toda a sua rede de vigilância a partir de uma única interface.

**Español:**

La gama de cámaras de vigilancia de TRENDnet le permite seleccionar las soluciones más idóneas para sus proyectos. Los sistemas de vigilancia HD NVR de TRENDnet son soluciones de administración de cámaras integrales y económicas que le permiten administrar con facilidad toda su red de vigilancia desde una sola interfaz.

# PoE Surveillance Cameras

| | Speed Dome | Motorized Dome | Fixed Turret |
|---|---|---|---|
| | TV-IP440PI | TV-IP420P | TV-IP323PI |
| Features | 2MP HD PTZ w/ Night Vision | 3MP HD Motorized Lens | 4MP HD H.265 w/ Night Vision |
| Connectivity | PoE+ | PoE | PoE |
| Free app | | Mira mobile app for Android™ & iOS™ | |
| Free software | | Manage up to 256 TRENDnet cameras with the Mira VMS software | |
| Housing | IP66 | IP66 | IP67 |
| Compression | H.264, MJPEG | H.264, MJPEG | H.265+, H.265, H.264+, H.264, MJPEG |
| Max. resolution | 1920 x 1080 | 2048 x 1536 | 2560 × 1440 |
| Image sensor | 1/2.8" Progressive Scan CMOS | 1/2.8" Progressive Scan CMOS | 1/3" Progressive Scan CMOS |
| Lens | 4.7 – 94mm @ F1.6 – 3.5 | 2.8 – 12mm @ F1.6 – F2.7 | 4mm @ F1.6 |
| Viewing angle | 58.3 – 3.2° (wide-tele) | 105 – 33.5° (wide-tele) | 78° |
| Zoom | 20x Optical, 16x digital, auto-focus | 4x Optical, 16x digital, auto-focus | 4x Digital |
| Audio support | Two-way audio (audio line in/line out) | Two-way audio (audio line in/line out) | - |
| Vision | Night vision up to 100m (328 ft.) | 0.01 lux | Night vision up to 30m (98 ft.) |
| Pan & tilt | Endless 360° | Motorized lens: Pan 350° & tilt 90° | 3-axis manually adjustable mount |
| Network | IPv4, IPv6 | IPv4, IPv6 | IPv4, IPv6 |
| ONVIF | Profile S | Profile S | Profile S, G, T |
| Power consumption | 20W max. | 8W max. | 6W max. |
| Micro SD slot | ✓ (up to 128GB) | ✓ (up to 128GB) | ✓ (up to 128GB) |
| Operating temp. | -30° – 65° C (-22° – 149° F) | -30° – 65° C (-22° – 149° F) | -30° – 60° C (-22° – 140° F) |
| Hardware | Mounting bracket required (TV-HC400, TV-HP400, TV-HW400, TV-HN400)** | Optional: TV-WL300** | Mounting hardware included |
| Warranty | 3 year | 3 year | 3 year |

** Sold Separately.

| | Fixed Dome | | | |
|---|---|---|---|---|
| | TV-IP1319PI | TV-IP345PI | TV-IP1315PI | TV-IP1329PI |
| Features | 8MP 4K UHD H.265 WDR w/ Night Vision | 4MP HD Varifocal H.265 WDR w/ Night Vision | 4MP HD H.265 WDR w/ Night Vision | 4MP HD H.265 WDR w/ Night Vision |
| Connectivity | PoE | PoE | PoE | PoE |
| Free app | Mira mobile app for Android™ or iOS™ | | | |
| Free software | Manage up to 256 TRENDnet cameras with the Mira VMS software | | | |
| Housing | IP67 | IP67 | IP67 | IP67 |
| Compression | H.265+, H.265, H.264+, H.264, MJPEG | | | |
| Max. resolution | 3840 x 2160 | 2560 x 1440 | 2688 x 1520 | 2560 x 1440 |
| Image sensor | 1/2.5" CMOS | 1/3" CMOS | 1/2.8" CMOS | 1/3" CMOS |
| Lens | 2.8mm @ F1.2 | 2.8 – 12mm @ F1.6 | 4mm @ F1.2 | 4mm @ F1.2 |
| Viewing angle | 102° | 98 – 28° (wide-tele) | 86° | 77° |
| Zoom | 4x Digital | 4.2x Optical, 4x digital | 4x Digital | 4x Digital |
| Audio support | - | - | - | - |
| Night vision | Up to 30m (98 ft.) | Up to 30m (98 ft.) | Up to 30m (98 ft.) | Up to 30m (98 ft.) |
| Pan & tilt | Fixed position: Manually pan 355° & tilt 75° | Fixed position: Manually pan 360° & tilt 90° | Fixed position: Manually pan 355° & tilt 75° | Fixed position: Manually pan 355° & tilt 70° |
| Network | IPv4, IPv6 | IPv4, IPv6 | IPv4, IPv6 | IPv4, IPv6 |
| ONVIF | Profile S, G | Profile S, G | Profile S, G | Profile S |
| Power consumption | 9W max. | 12.9W max. | 9W max. | 7W max. |
| Micro SD slot | ✓ (up to 128GB) | ✓ (up to 128GB) | ✓ (up to 128GB) | - |
| Operating temp. | -30° – 60° C (-22° – 140° F) | -30° – 50° C (-22° – 122° F) | -30° – 60° C (-22° – 140° F) | -30° – 50° C (-22° – 122° F) |
| Hardware | Optional: TV-WS300** | Mounting hardware included | Optional: TV-WS300** | Mounting hardware included |
| Warranty | 3 year | 3 year | 3 year | 3 year |

# PoE Surveillance Cameras

| | Fixed Bullet | | | | |
|---|---|---|---|---|---|
| | TV-IP1318PI | TV-IP1313PI | TV-IP344PI | TV-IP1314PI | TV-IP1328PI |
| Features | 8MP 4K UHD H.265 WDR w/ Night Vision | 5MP HD H.265 WDR w/ Enhanced Night Vision | 4MP HD Varifocal H.265 WDR w/ Night Vision | 4MP HD H.265 WDR w/ Night Vision | 4MP HD H.265 WDR w/ Night Vision |
| Connectivity | PoE | PoE | PoE | PoE | PoE |
| Free app | Mira mobile app for Android™ & iOS™ | | | | |
| Free software | Manage up to 256 TRENDnet cameras with the Mira VMS software | | | | |
| Housing | IP67 | IP67 | IP67 | IP67 | IP67 |
| Compression | H.265+, H.265, H.264+, H.264, MJPEG | | | | |
| Max. resolution | 3840 x 2160 | 2944 x 1656 | 2560 × 1440 | 2688 x 1520 | 2560 × 1440 |
| Image sensor | 1/2.5" CMOS | 1/2.9" CMOS | 1/3" Progressive scan CMOS | 1/3" CMOS | 1/3" CMOS |
| Lens | 2.8mm @ F1.2 | 4mm @ F1.2 | 2.8 – 12mm @ F1.6 | 4mm @ F1.2 | 4mm @ F1.2 |
| Viewing angle | 102° | 63.5° | 115 – 32° | 78° | 77° |
| Zoom | 4x Digital | 4x Digital | 4.2x Optical, 4x digital, auto-focus | 4x Digital | 4x Digital |
| Audio support | - | - | - | - | - |
| Night vision | Up to 30m (98 ft.) | Up to 80m (262 ft.) | Up to 30m (98 ft.) | Up to 30m (98 ft.) | Up to 30m (98 ft.) |
| Pan & tilt | - | - | - | - | - |
| Network | IPv4, IPv6 | IPv4, IPv6 | IPv4, IPv6 | IPv4, IPv6 | IPv4, IPv6 |
| ONVIF | Profile S, G | | Profile S, G | Profile S | Profile S, G, T |
| Power consumption | 7.5W max. | 12.5W max. | 12.9W max. | 7.5W max. | 7W max. |
| Micro SD slot | ✓ (up to 128GB) | ✓ (up to 128GB) | ✓ (up to 128GB) | ✓ (up to 128GB) | - |
| Operating temp. | -30° – 60° C (-22° – 140° F) | -30° – 60° C (-22° – 140° F) | -30° – 60° C (-22° – 140° F) | -30° – 60° C (-22° – 140° F) | -30° – 50° C (-22° – 122° F) |
| Hardware | Mounting hardware included | | | | |
| Warranty | 3 year | 3 year | 3 year | 3 year | 3 year |

# Network Video Recorders

| | H.265 4K NVRs | |
|---|---|---|
| | TV-NVR416 | TV-NVR408 |
| Features | Advanced camera viewing, recording, and playback | |
| Channels | 16 | 8 |
| PoE budget | 150W | 80W |
| Hard drive | 2 x SATA up to 6TB each | 2 x SATA up to 6TB each |
| Video interface | 1 x HDMI, 1 x VGA | 1 x HDMI, 1 x VGA |
| USB ports | 2 x USB 2.0 | 2 x USB 2.0 |
| Recording time* | Approx. one month of continuous 1080p HD recording | Over one month of continuous 1080p HD recording |
| Viewing modes | 3 x 3, 1+7, 1+5, 2 x 2 | 3 x 3, 1+7, 1+5, 2 x 2 |
| PTZ support | ✓ | ✓ |
| Audio support | ✓ | ✓ |
| Web GUI interface | ✓ | ✓ |
| Export file type | H.265, H.264, MPEG4 | H.265, H.264, MPEG4 |
| Mobile app | ✓ | ✓ |
| Included HDDs | - | - |
| Included camera(s) | - | - |
| Compatible cameras | Compatible with TRENDnet & third-party PoE cameras | |
| Mounting | ✓ | ✓ |
| Warranty | 2 year | 2 year |

Advanced Playback

Storage Support

Centralized Management

Free Mobile Apps

Simple Remote Access

Multi-Camera Live View

*Based on maximum camera channels and maximum storage capacity.

# Fiber Media Converters

| | Intelligent Gigabit Multi-Mode | | | 100Mbps Multi-Mode | |
|---|---|---|---|---|---|
| | TFC-1000MSC | TFC-1000MGB | TFC-1000MGA | TFC-110MST | TFC-110MSC |
| Description | Intelligent 1000BASE-T to 1000BASE-SX Multi-Mode SC | Intelligent 1000BASE-T to SFP | 100/1000BASE-T to SFP | 100BASE-TX to 100BASE-FX Multi-Mode ST | 100BASE-TX to 100BASE-FX Multi-Mode SC |
| Fiber mode | Multi | Single, Multi | Single, Multi | Multi | Multi |
| Fiber connector | Duplex SC | SFP | SFP | Duplex ST | Duplex SC |
| Distance | 550m (1800 ft.) | Based on SFP | Based on SFP | 2km (1.2 mi.) | 2km (1.2 mi.) |
| Wavelength | 850nm | Based on SFP | Based on SFP | 1300nm | 1300nm |
| TFC-1600 compatible | ✓ | ✓ | ✓ | ✓ | ✓ |
| Standalone converter | ✓ | ✓ | ✓ | ✓ | ✓ |
| LLR dip switch | ✓ | ✓ | ✓ | - | - |
| Duplex dip switch | ✓ | ✓ | ✓ | ✓ | ✓ |
| Warranty | Lifetime* | Lifetime* | Lifetime* | Lifetime* | Lifetime* |

## Intelligent WDM Single-Mode

Fiber modes:       Simplex SC
Fiber connections: Gigabit, 100Mbps
Distances:         60km (37.3 mi.), 40km (24.9 mi.), 20km (12.4 mi.), 10km (6.2 mi.)

## Single-Mode

Fiber modes:       Duplex SC
Fiber connections: Gigabit, 100Mbps
Distances:         70km (43.5 mi.), 60km (37.3 mi.), 50km (31 mi.), 30km (18.6 mi.), 20km (12.4 mi.), 15km (9.3 mi.)
Wavelengths:       1550nm, 1310nm

| | Fiber Chassis | |
|---|---|---|
| | TFC-1600 | TFC-1600MM | TFC-1600RP |
| Description | TRENDnet's 16-Bay Fiber Chassis System provides housing for up to 16 TFC series media converters. | Supports management of media converters & power supplies installed in the TFC-1600. Provides instant access to cooling fan & power supply status; allows user to configure & monitor chassis. | Hot swappable 100-240 VAC redundant power supply. Built-in over voltage & short circuit protection. Power supply backup for TFC-1600. |
| Warranty | Lifetime* | Lifetime* | Lifetime* |

# Fiber SFP Modules

## Multi-Mode

| | |
|---|---|
| Interface: | Duplex LC |
| Distances: | 2km (1.2 mi.), 550m (1,804 ft.) |
| Speeds: | 1.25Gbps, 155Mpbs |

## WDM Single-Mode

| | |
|---|---|
| Interface: | Simplex LC |
| Distances: | 80km (49.7 mi.), 40km (24.8 mi.), 20km (12.4 mi.), 10km (6.2 mi.) |
| Speed: | 1.25Gbps |

## Copper

| | |
|---|---|
| Interface: | RJ-45 |
| Distance: | 100m (328 ft.) |
| Speed: | 1.25Gbps |

## Single-Mode

| | |
|---|---|
| Interface: | Duplex LC |
| Distances: | 80km (49.7 mi.), 40km (24.8 mi.), 20km (12.4 mi.), 10km (6.2 mi.) |
| Speeds: | 1.25Gbps, 155Mpbs |

## Layer 2 Managed SFP Switch

### TL2-FG142

| | |
|---|---|
| Ports | 14 x SFP, 2 x Shared RJ-45 Gigabit, 1 x RJ-45 Fast Ethernet Management, 1 x RJ-45 Console |
| Switching capacity | 28Gbps |
| Ram buffer | 128MB |
| Forwarding rate 64-byte | 20.8Mpps |
| Mac address table | 8K |
| VLAN | Asymmetric, port-based, multiple management assignment, up to 256 VLAN groups, 802.1Q, dynamic GVRP, private, voice |
| ACL | IPv4 L2-L4 & IPv6 |
| Ipv6 | ✓ |
| Dos prevention | ✓ |
| 802.1ab lldp | ✓ |
| 802.1x | ✓ |
| Dynamic gvrp | ✓ |
| LACP (802.3ad) | ✓ |
| Rmon | ✓ |
| CoS (802.1p) | ✓ |
| Spanning tree | STP, RSTP, MSTP |
| Multicast (IGMP) | v1, v2, v3 |
| Snmp | v1, v2c, v3 |
| Port-based link aggregation | ✓ |
| Jumbo frame support | 9.6KB |
| Fan | Fanless |
| Mounting | Rack |
| Warranty | Lifetime* |

School Surveillance Application

PoE cameras

PoE

TL2-FG142    SFP    Fiber distance based on SFP    SFP    TI-PG541i

*See warranty policy at TRENDnet.com
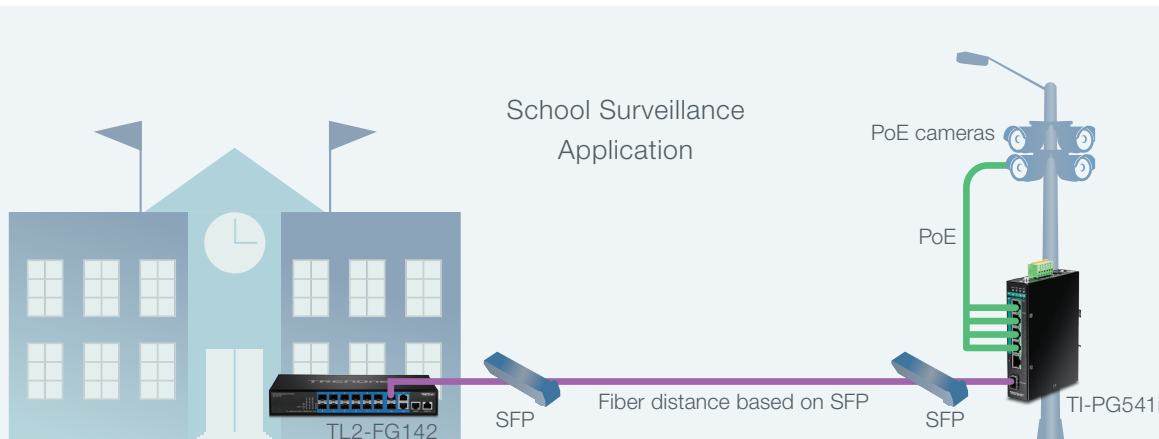
# Powerline: Networking Over Electrical Lines



| | WiFi Everywhere™ Powerline 1200 | |
|---|---|---|
| | TPL-430APK | TPL-430AP |
| Max. speed | 1200Mbps | 1200Mbps |
| Specification | AV2 | AV2 |
| Port(s) | TPL-430AP: 3 x Gigabit<br>TPL-423E: 1 x Gigabit | 3 x Gigabit |
| Powerline coverage | 300m / 984 ft. linear distance over electrical lines | |
| Power savings | ✓ | ✓ |
| Features | Plug in both adapters to extend a wireless AC network | Extend your network w/ built-in AC1200 wireless |
| Warranty | 3 year | 3 year |

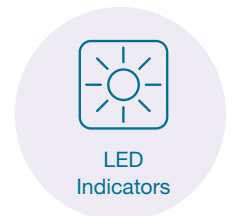| | Powerline 1300 | | Powerline 500 | |
|---|---|---|---|---|
| | TPL-423E2K / TPL-423E | TPL-422E2K / TPL-422E | TPL-407E2K | TPL-406E2K |
| Max. speed | 1300Mbps | 1300Mbps | 500Mbps | 500Mbps |
| Specification | AV2 | AV2 | AV | AV |
| Port(s) | 1 x Gigabit | 1 x Gigabit | 1 x 10/100Mbps | 1 x 10/100Mbps |
| Powerline coverage | 300m / 984 ft. linear distance over electrical lines | | | |
| Power savings | ✓ | ✓ | ✓ | ✓ |
| Features | High-performance adapters w/ built-in electrical outlet | High-performance adapters, compact design | Convenient built-in electrical outlet | Performance & value |
| Warranty | 3 year | 3 year | 3 year | 3 year |
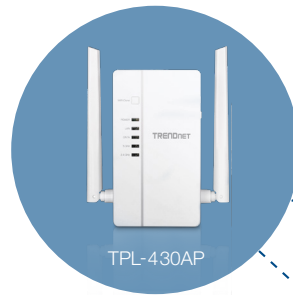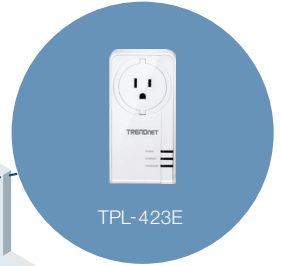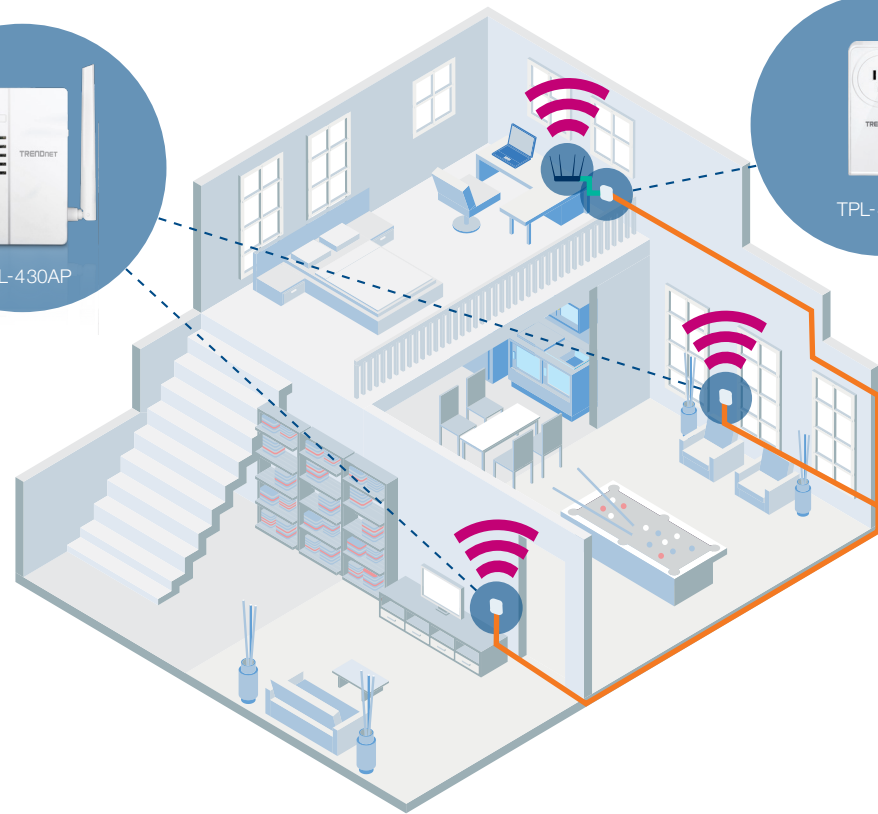
Not available in Europe / UK.

# MoCA: Ethernet over Coax



TMO-311C
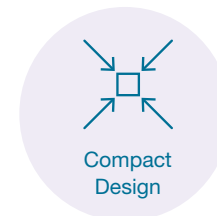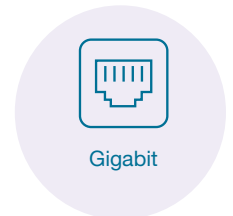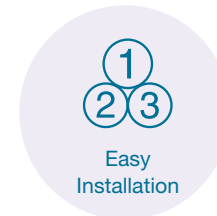
Router
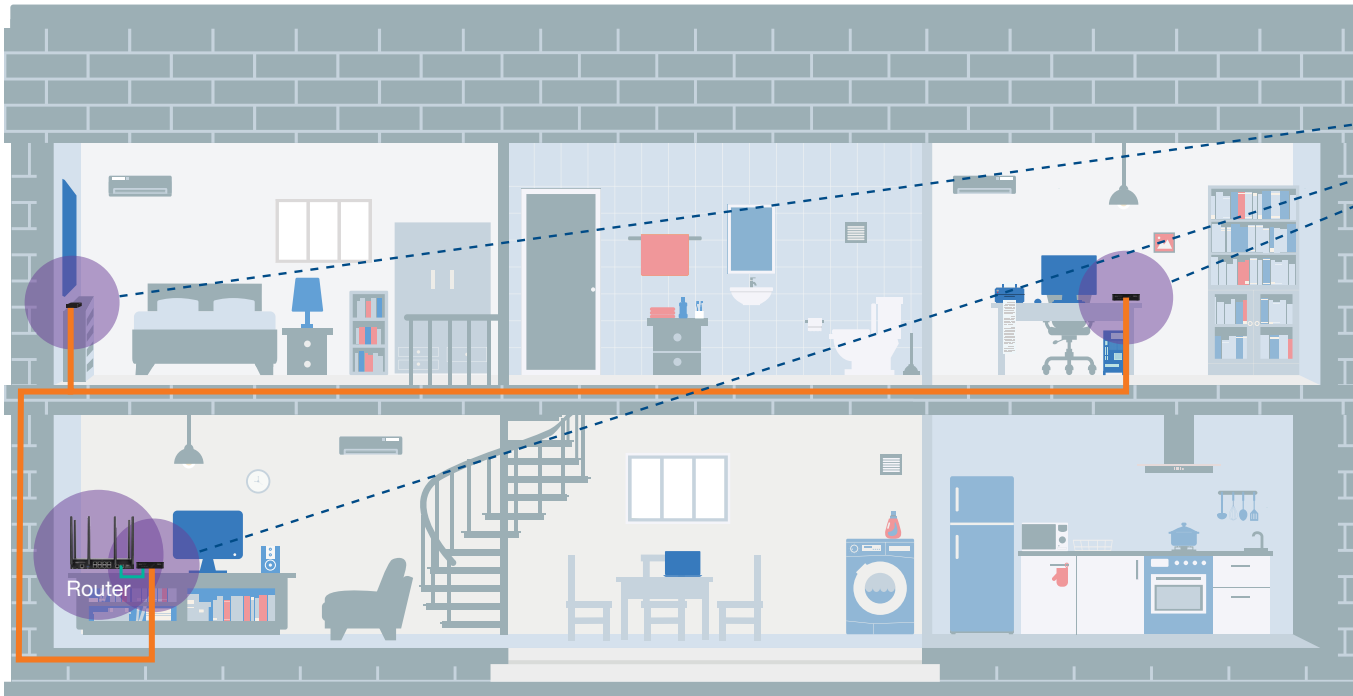
TRENDnet's MoCA® 2.0 Ethernet over Coax Adapters use your existing coaxial cables to extend a high-speed building-wide network throughout your home or office. These compact MoCA adapters are designed to support MoCA 2.0 deployment for digital TV, high speed-internet, and VoIP single-access subscription service offerings.

| | MoCA 2.5 Adapters | | Moca 2.0 Adapters | |
|---|---|---|---|---|
| | TMO-312C2K | TMO-312C | TMO-311C2K | TMO-311C |
| Max. speed | 2.5Gbps | 2.5Gbps | 1Gbps | 1Gbps |
| Specification | MoCA 2.5 bonded | MoCA 2.5 bonded | MoCA 2.0 bonded | MoCA 2.0 bonded |
| Port(s) | 1 x MoCA Coax, 1 x RJ-45 Gigabit LAN port (each) | | 1 x MoCA Coax, 1 x TV Coax, 1 x RJ-45 Gigabit LAN port (each) | |
| Moca coverage | 300m / 984 ft. linear distance over coaxial cables | | | |
| Power savings | MoCA energy savings | | | |
| Features | Connect Ethernet devices to an existing MoCA network. Passthrough IPv4/IPv6 from MoCA and Ethernet ports. | | | |
| Warranty | 3 year | 3 year | 3 year | 3 year |

Easy Installation

Gigabit

Compact Design

LED Indicators

USA/Canada only.

# Routers & Adapters

| | Mesh WiFi | | WiFi Routers | | WiFi Access Point |
|---|---|---|---|---|---|
| | TEW-832MDR2K | TEW-832MDR | TEW-827DRU | TEW-831DR | TEW-638APB |
| Wireless rating | AC1200 | AC1200 | AC2600 | AC1200 | N300 |
| Max. data rate / Wi-Fi band | 867Mbps / AC + 300Mbps / N | 867Mbps / AC + 300Mbps / N | 1.73Gbps / AC + 800Mbps / N | 867Mbps / AC + 300Mbps / N | 300Mbps / 2.4GHz |
| Ports | 2 x Gigabit (each node) | 2 x Gigabit | 4 x Gigabit | 3 x 10/100Mbps | 1 x 10/100Mbps |
| Features | Mesh kit, MU-MIMO, seamless WiFi | Mesh node, MU-MIMO, seamless WiFi | MU-MIMO, high-gain antennas | MU-MIMO | Detachable antennas |
| USB port | - | - | USB 3.0 | - | - |
| Guest network | ✓ | ✓ | ✓ | - | - |
| Pre-encrypted | ✓ | ✓ | ✓ | ✓ | - |
| Bark | ✓* | ✓* | ✓* | - | - |
| Warranty | 3 year | 3 year | 3 year | 3 year | 3 year |

| | WiFi Adapters | | | WiFi / Bluetooth® Adapters |
|---|---|---|---|---|
| | TEW-809UB | TEW-805UBH | TEW-808UBM | TBW-108UB |
| Device | USB Adapter | USB Adapter | USB Adapter | USB Adapter |
| Wireless rating | AC1900 | AC1200 | AC1200 | N150 + Bluetooth 4.0 |
| Max. data rate / WiFi band | 1.3Gbps / AC + 600Mbps / N | 867Mbps / AC + 300Mbps / N | 867Mbps / AC + 300Mbps / N | 150Mbps / N |
| Ports | USB 3.0 | - | USB 2.0 | USB 2.0 |
| Features | High-gain detachable antennas & power amplifiers extend coverage | Adjustable high-gain external antenna, WPS button, LED indicator | MU-MIMO, compact | Simultaneous WiFi & Bluetooth |
| OS compatibility | Windows® & Mac® | Windows® & Mac® | Windows® & Mac® | Windows® and Mac® |
| Warranty | 3 year | 3 year | 3 year | 3 year |

Not available in Canada.    Not available in Europe / UK.    *Service fees apply.

# Rackmount KVM & KVM Accessories

| Rackmount KVM | | |
|---|---|---|
| | TK-1603R | TK-803R |
| Computer connections | 16 | 8 |
| Display input | VGA | VGA |
| Max. resolution | 2048 x 1536 | 2048 x 1536 |
| Keyboard / mouse | USB, PS/2 | USB, PS/2 |
| Features | Compact 1U rack height | Adjustable auto-scan and audible feedback |
| Warranty | 2 year | 2 year |

| | CAT5 KVM | | | KVM Extenders | | | Video Splitters | |
|---|---|---|---|---|---|---|---|---|
| | TK-CAT508 | TK-CAT5U | TK-CAT5P | TK-EX3 | TK-EX4 | TK-DEX5 | TK-V401S | TK-V201S |
| Description | 8-Port CAT5 KVM Switch | CAT5 USB Server Interface Module | CAT5 PS/2 Server Interface Module | KVM Extension Kit | KVM Extension Kit | KVM Extension Kit | 4-Port Stackable Video Splitter | 2-Port Stackable Video Splitter |
| Features | Manage up to 8 servers over CAT5 cables for distances up to 30m (98 ft.) | | | Extends up to 150m (490 ft.) | Extends up to 100m (328 ft.) | DVI, audio support, up to 50m (164 ft.) | Clones or repeats a viewing field to up to four monitors (Doesn't extend a viewing field over multiple monitors) | |
| Warranty | 2 year | 2 year | 2 year | 2 year | 2 year | 2 year | 2 year | 2 year |

Not available in Europe / UK.

# Desktop KVM



| | DisplayPort | | | | | HDMI | |
|---|---|---|---|---|---|---|---|
| | TK-440DP | TK-240DP | TK-441DP | TK-241DP | TK-220DPi | TK-216i | TK-215i |
| Computer connections | 4 | 2 | 4 | 2 | 2 | 2 | 2 |
| Monitor port | 2 x DisplayPort 1.2 | 2 x DisplayPort 1.2 | 1 x DisplayPort 1.2 | 1 x DisplayPort 1.2 | 1 x DisplayPort 1.2 | HDMI | HDMI |
| Max. resolution | 3840 x 2160 | 3840 x 2160 | 3840 x 2160 | 3840 x 2160 | 3840 x 2160 | 3840 x 2160 | 1920 x 1080 |
| Keyboard / mouse | USB | USB | USB | USB | USB | USB | USB |
| Audio support | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Features | Dual monitor | Bonus 2-port USB hub | Bonus 2-port USB hub | Bonus 2-port USB hub | PC toggle switch | Ergonomic toggle switch | Ergonomic toggle switch |
| Cables | TK-CP06* | TK-CP06, TK-CP10, TK-CP15* | 4x TK-CP06* | 2x TK-CP06* | Integrated | Integrated | Integrated |
| Warranty | 2 year | 2 year | 2 year | 2 year | 2 year | 2 year | 2 year |



| | DVI | | | | | USB Share Switch |
|---|---|---|---|---|---|---|
| | TK-422DVK | TK-222DVK | TK-232DV | TK-204UK | TK-214i | TK-U404 |
| Computer connections | 4 | 2 | 2 | 2 | 2 | - |
| Monitor port | DVI | DVI | DVI | DVI | DVI | - |
| Max. resolution | 2560 x 1600 | 2560 x 1600 | 1920 x 1200 (digital) 2048 x 1536 (analog) | 1920 x 1200 (digital) 2048 x 1536 (analog) | 1920 x 1200 | - |
| Keyboard / mouse | USB | USB | USB | USB | USB | USB |
| Audio support | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Features | Bonus 2-port USB hub | Bonus 2-port USB hub | Bonus 2-port USB hub | Bonus 2-port USB hub | Ergonomic toggle switch | 4 x USB device ports, Ergonomic toggle switch |
| Cables | Included | Included | - | Included | Integrated | Included |
| Warranty | 2 year | 2 year | 2 year | 2 year | 2 year | 2 year |

*Sold separately.

# Desktop KVM

| | VGA | | | | |
|---|---|---|---|---|---|
| | TK-409K | TK-407K | TK-209K | TK-207K | TK-217i |
| Computer connections | 4 | 4 | 2 | 2 | 2 |
| Monitor port | VGA | VGA | VGA | VGA | VGA |
| Max. resolution | 2048 x 1536 | 2048 x 1536 | 2048 x 1536 | 2048 x 1536 | 2048 x 1536 |
| Keyboard / mouse | USB | USB | USB | USB | USB |
| Audio support | ✓ | – | ✓ | – | – |
| Features | Hot key commands | Hot key commands | Top seller | Hot key commands | Integrated cables |
| Cables | Included | Included | Included | Included | Integrated |
| Warranty | 2 year | 2 year | 2 year | 2 year | 2 year |

Monitor

TK-209K

Computer 2

Computer 1

Keyboard   Mouse   Microphone   Speaker
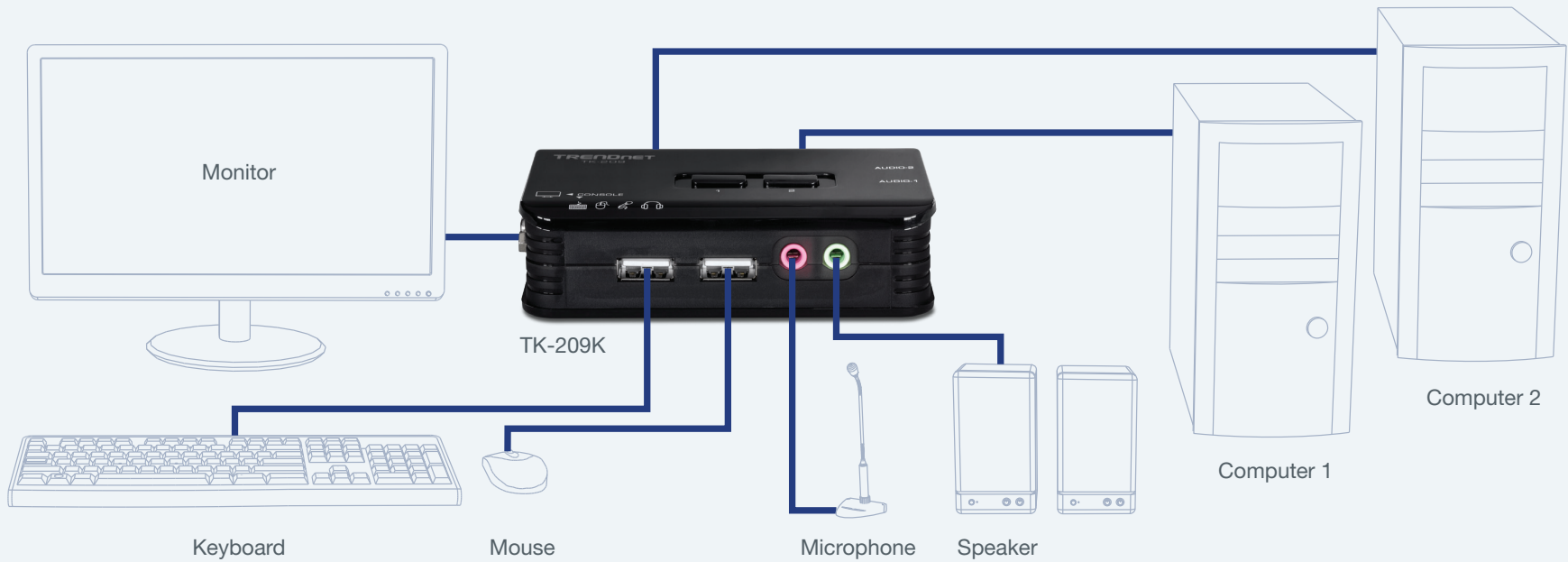
# USB-C & USB

| | USB-C Adapters | | | USB-C Hubs | |
|---|---|---|---|---|---|
| | TUC-ET5G | TUC-ET2G | TUC-ETG | TUC-ETGH3 | TUC-H4E |
| Description | USB-C 3.1 to 5GBASE-T Ethernet Adapter | USB-C 3.1 to 2.5GBASE-T Ethernet Adapter | USB-C to Gigabit Ethernet Adapter | USB-C to Gigabit Adapter + USB Hub | 4-Port USB-C Ultra-Mini Hub |
| Features | Windows® & Mac® compatible* | Windows® & Mac® compatible* | Windows® & Mac® compatible* | Windows® & Mac® compatible* | Windows® & Mac® compatible* |
| Warranty | 2 year | 2 year | 2 year | 2 year | 2 year |

| | USB 3.0 | | | | | USB 2.0 | | RS-232 Serial Converters | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | TU3-ETG | TU3-ETGH3 | TI-H73 | TU3-H4E | TU3-H4 | TU2-ET100 | TU2-700 | TU-S4 | TU-S9 | TU-S9E |
| Description | USB 3.0 to Gigabit Adapter | USB 3.0 to Gigabit Adapter + USB Hub | Industrial 7-Port USB Hub | 4-Port USB 3.0 Hub | 4-Port USB 3.0 Hub | USB to Ethernet Adapter | 7-Port USB Hub | USB to Serial Hub | USB to Serial Converter | Ethernet to Serial Converter |
| Features | Windows® & Mac® compatible* | Windows® & Mac® compatible* | Rugged housing, DIN-Rail mountable | No CD installation required | No CD installation required | Windows® & Mac® compatible* | Adds 7 USB 2.0 ports, no CD installation required | Converts to 4 x RS-232 serial ports | Converts to RS-232 serial port, Windows® & Mac® compatible* | Converts a serial device to a network device |
| Warranty | 2 year | 2 year | 2 year | 2 year | 2 year | 2year | 2 year | 2 year | 2 year | 2 year |

Not available in Europe / UK.    *Not compatible with OS 11.    40

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