

TP-LINK®
The Reliable Choice

Business Networking
Products Guide



Business
WiFi Solution

JetStream

28-Port Gigabit Stackable L3 Managed Switch

T3700G-28TQ



CONTENTS

Switches

- 01 The TP-LINK Switch Family
- 03 L3/L2+ Managed Switches
- 05 L2 Managed Switches
- 11 Smart Switches
- 15 Easy Smart Switches
- 18 Unmanaged Switches

Power over Ethernet

- 22 PoE Switches
- 26 PoE Adapters

Accessories

Indoor APs

Outdoor APs

Antennas

Routers

- 35 VPN Routers
- 38 Load Balance Broadband Routers

Solutions for Business

The TP-LINK Switch Family



TP-LINK provides a variety of switches for business networking solutions, aiming to provide premium network performance while maintaining a competitive cost. Our products are comprised of Unmanaged Switches, Easy Smart Switches, Smart Switches, Jetstream L2 Managed Switches, and Jetstream L2+/ L3 Managed Switches.

TP-LINK switches are designed to offer reliable and professional choices to businesses of different sizes, such as unmanaged switches are suitable for business requiring no management, smart/L2 switches provide a cost-effective solution for small and medium business, and L3/L2+ managed switches provide a scalable and stable solution for large organizations, campus and ISP networks.

The TP-LINK Switch Family

Speed Ports	Unmanaged Switches		Easy Smart Switches	Smart Switches		L2 Managed Switches		L3/L2+ Managed Switches
	10/100Mbps	Gigabit		10/100Mbps	Gigabit	10/100Mbps	Gigabit	
48	TL-SF1048	TL-SG1048		TL-SL2452	TL-SG2452	TL-SL3452		
24	TL-SF1024 TL-SL1226 TL-SF1024 TL-SF1024D	TL-SG1024 TL-SG1024D	TL-SG1024DE	TL-SL2428	TL-SG2424 TL-SG2424P	TL-SL3428 TL-SL5428E	TL-SG3424 TL-SG5428	T3700G-28TQ T2700G-28TQ
16	TL-SF1016 TL-SF1016DS	TL-SG1016 TL-SG1016D	TL-SG1016DE	TL-SL2218	TL-SG2216		TL-SG3216	
8	TL-SF1008P	TL-SG1008 TL-SG1008PE TL-SG1008P	TL-SG1008E	TL-SL2210	TL-SG2008 TL-SG2210P		TL-SG3210 TL-SG5412F	
5		TL-SG105E	TL-SG105					

JetStream Gigabit Ethernet L3/L2+ Managed Switches

L3/L2+ Managed Switches

Overview

TP-LINK's T3700G-28TQ/T2700G-28TQ is an L3/ L2+ managed switch designed to build a highly accessible, scalable, and robust network. These two switches are both equipped with 24 Gigabit RJ-45 ports, 4 Combo Gigabit SFP and up to 4 10Gbps SFP slots, giving network administrators great network exibility. T3700G-28TQ supports abundant Layer 3 features such as OSPF and PIM which are a critical part in the creation of fully resilient scalable networks. As OSPF, VRRP or PIM aren't always needed, T2700G-28TQ only comes with static routing and RIP and it can be upgraded to support more L3 features with a license. What's more, with physical stacking feature and optional redundant external power unit, T3700G-28TQ / T2700G-28TQ provide a robust network with efficient redundancy.



JetStream 28-Port Gigabit Stackable L3 Managed Switch
T3700G-28TQ

- 24 Gigabit RJ-45 ports, 4 Combo Gigabit SFP and up to 4 10Gbps SFP slots, 1 RJ45 console port
- Switch capacity: Up to 128Gbps, Forwarding rate: Up to 95.2Mpps
- Up to 320Gbps of Backplane when 8 units in the stack
- 32K MAC address table and 10KB Jumbo Frame
- Hot-swappable Power Supply Module and optional Redundant Power Supply
- 19-inch rackmountable steel case



JetStream 28-Port Gigabit Stackable L2+ Managed Switch
T2700G-28TQ

- 24 Gigabit RJ-45 ports, 4 Combo Gigabit SFP and up to 4 10Gbps SFP slots, 1 RJ45 console port
- Switch capacity: Up to 128Gbps, Forwarding rate: Up to 95.2Mpps
- Up to 320Gbps of Backplane when 8 units in the stack
- 32K MAC address table and 10KB Jumbo Frame
- Hot-swappable Power Supply Module and optional Redundant Power Supply
- 19-inch rackmountable steel case

*T2700G-28TQ can be upgraded to provide these layer 3 routing functions with the addition of a layer 3 license, offering the exact fit per application and best investment protection. Please contact TP-LINK sellers to purchase the license if needed.

Features

L2+/L3 Routing and Service Features

- Static Routing
- RIP v1, v2
- OSPF v2*
- PIM-SM/PIM-DM/IGMP*
- DHCP Server/Relay
- ARP Proxy*
- VRRP*

Physical Stacking

- Up to 8 Units Physical Stacking
- Up to 192 GE, 32 Gigabit combo SFP and 16 10G SFP+ bandwidth
- Up to 320Gbps Backplane bandwidth
- Ring Stacking for Link Redundancy
- Distributed Link Aggregation

Layer 2 Features & Security



- Link Aggregation Control Protocol (LACP)
- 4K VLAN
- IGMP Snooping
- Quality of Service
- DHCP Snooping
- Access Control List(L2~L4 ACL)
- 802.1x and RADIUS Authentication

Management

- Physical Stacking for Unified Management
- Web-based GUI
- Command Line Interface
- SNMP v1/v2c/v3
- RMON (1, 2, 3, 9 group)
- Dual Image

*T2700G-28TQ can be upgraded to support these features with the addition of a layer 3 license.

L3/L2+ Managed Switches

Product Picture			
Model	T3700G-28TQ	T2700G-28TQ	
Product Description	JetStream 28-Port Gigabit Stackable L3 Managed Switch	JetStream 28-Port Gigabit Stackable L2+ Managed Switch	
Hardware	Gigabit RJ45 Ports	24	
	Gigabit SFP Ports	4 (Combo)	
	10G SFP+ Slots	Up to 4 (2 fixed and 2 optional)	
	Console Port	1	
	Standards	IEEE 802.3i, 802.3u, 802.3ab, 802.3z, 802.3ae, 802.3ad, 802.3x, 802.1d, 802.1s, 802.1w, 802.1q, 802.1x, 802.1p	
	Auto Negotiation / Auto MDI/MDIX	●	
	Flow Control	●	
	Power Supply	Hot-swappable Power Supply Module(PSM150-AC), Optional Redundant Power Supply(RPS150), 100-240VAC, 50/60Hz	
	Certifications	CE, FCC	
	Dimensions (W x D x H)	17.32*13*1.73 in. (440*330*44 mm)	
Physical Stacking	Max Number of Stacking Ports Installable	2 SFP+	
	No. of Units Per Stack	8	
	Stacking Speed (Per Port)	20Gbps (Full-Duplex)	
Performance	Switch Capacity	Up to 128Gbps for a standalone switch	
	Forwarding Rate	Up to 95.2Mpps for a standalone switch	
	MAC Address Table	32K	
	Packet Buffer Memory	16 Mbits	
	Number of IP Interfaces	128	
	Number of Routes	12K	
	Number of Static Routes	256	
Jumbo Frame	10KB		
L3 Features	Wire-speed IP forwarding	●	
	Static Routing	●	
	RIP	v1/v2	v1/v2
	OSPF	v2	L3 license required
	ECMP	●	L3 license required
	PIM-SM/PIM-DM/IGMP	●	L3 license required
	DHCP Server/Relay	●	
	ARP Proxy	●	L3 license required
VRRP	●	L3 license required	
L2 Features	IGMP Snooping	V1/V2/V3	
	STP/RSTP/MSTP	●	
	BPDU Filtering/Guard	●	
	Root Guard/Loopback Detection	●	
	QinQ	●	
	VLAN	Port/Tag-based/Private/Voice/MAC-based/Protocol-based VLAN/GARP/GVRP	
	QoS	4 Queues/Port/802.1p/IP DSCP based COS, TOS	
	Rate Limit	●	
	Port Isolation	●	
	Port Mirroring	●	
	LACP	●	
	Port Trunking	●	
	DHCP Snooping	●	
DHCP/BOOTP Client	●		
Security	Access Control List	●	
	IP + MAC + Port + VID Binding	●	
	Storm Control	●	
	Port Security	●	
	SSH & SSL	●	
	IP Source Guard	●	
	DoS Defence	●	
	Dynamic ARP Inspection	●	
IEEE 802.1X Authentication	●		
System Management	Guest VLAN	●	
	SNMP	V1/V2C/V3	
	RMON	Group 1, 2, 3, 9	
	Command Line Interface (CLI)	●	
	Time Setting	SNTP	
Firmware Upgrade	●		
System Diagnose	VCT/Loopback Test/CPU Monitor/Ping/Tracert		
Web Interface/SYSLOG/MIBS	●		

L2 Managed Switches

JetStream Gigabit/Fast Ethernet L2 Managed Switches

Overview

TP-LINK's JetStream L2 Managed Switches (5 Series) are designed for high performance, with stable transmission capabilities for small and medium business at the access and aggregation networking layers. This series features robust security strategies, attack defense and QoS strategies. These devices also support a virtual stack feature that give connected switches the ability to be cluster managed.



JetStream 24-Port Gigabit L2 Managed Switch with 4 SFP Slots

TL-SG5428

- 24 Gigabit RJ45 ports, 4 gigabit SFP expansion slots, 1 RJ45 console port
- Switch capacity: 56Gbps, Forwarding rate: 41.7Mpps
- 8K MAC address table and 10KB Jumbo Frame
- Fanless design
- 19-inch rackmountable steel case



JetStream 12-Port Gigabit SFP L2 Managed Switch with 4 Combo 1000BASE-T Ports

TL-SG5412F

- 12 gigabit SFP expansion slots, 4 combo Gigabit RJ45 ports, 1 RJ45 console port
- Switch capacity: 24Gbps, Forwarding rate: 17.8Mpps
- 8K MAC address table and 10KB Jumbo Frame
- Fanless design
- 19-inch rackmountable steel case



JetStream 24-Port 10/100Mbps + 4-Port Gigabit L2 Managed Switch

TL-SL5428E

- 24 10/100Mbps RJ45 ports, 4 Gigabit RJ45 ports, 4 combo gigabit SFP expansion slots, 1 RJ45 console port
- Switch capacity: 12.8Gbps, Forwarding rate: 9.5Mpps
- 8K MAC address table and 2KB Jumbo Frame
- Fanless design
- 19-inch rackmountable steel case

Features

L2 Features

- Link Aggregation Control Protocol (LACP)
- 4K VLAN
- Port Isolation
- QinQ (VLAN VPN)
- GARP/GVRP
- STP/RSTP/MSTP
- IGMP Snooping

Quality of Service

- 4 Priority Queues
- IEEE 802.1P Priority
- DSCP Priority
- Rate Limit




Security Strategies

- IP-MAC-Port-VID Binding
- IP Source Guard
- Access Control List (L2~L4 ACL)
- IEEE802.1x and RADIUS Authentication
- DoS Defence
- Port Security
- SSL and SSH Encryptions

Administración

- Virtual Stacking
- Web-based GUI
- Command Line Interface
- SNMP V1/V2C/V3
- RMON (1, 2, 3, 9 group)

L2 Managed Switches

Product Picture				
Model	TL-SG5428	TL-SG5412F	TL-SL5428E	
Product Description	JetStream 24-Port Gigabit L2 Managed Switch with 4 SFP Slots	JetStream 12-Port Gigabit SFP L2 Managed Switch with 4 Combo 1000Base-T Ports	JetStream 24-Port 10/100Mbps + 4-Port Gigabit L2 Managed Switch	
Hardware	10/100Mbps RJ45 Ports	-	24	
	Gigabit RJ45 Ports	24	4 (Combo)	
	Gigabit SFP Ports	4	12	
	Console Port	1		
	Standards	IEEE 802.3, 802.3u, 802.3ab, 802.3z, 802.3ad, 802.3x, 802.1q, 802.1p, 802.1d, 802.1w, 802.1s, 802.1x		
	Auto Negotiation / Auto MDI/MDIX	●		
	Flow Control	●		
	Power Supply	100-240VAC, 50/60Hz		
	Fanless	●		
	Certifications	CE, FCC		
Performance	Dimensions (W x D x H)	17.3 x 10.2 x 1.7in. (440 x 260 x 44mm)	17.3 x 10.2 x 1.7in. (440 x 260 x 44mm)	
	Environment	Operating Temperature: 0°C~40°C(32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F) Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing		
	Switch Capacity	56Gbps	24Gbps	12.8Gbps
Performance	Forwarding Rate	41.7Mpps	17.8Mpps	9.5Mpps
	MAC Address Table	8K		
	Jumbo Frame	10KB		2KB
L2 Features	IGMP Snooping	V1/V2/V3		
	STP/RSTP/MSTP	●		
	BPDU Filtering/Guard	●		
	Root Guard/Loopback Detection	●		
	QinQ	●		
	VLAN	Port/Tag-based/Private/Voice/MAC-based*/Protocol-based VLAN/GARP/GVRP		
	QoS	4 Queues/Port/802.1p/IP DSCP based COS, TOS		
	Rate Limit	●		
	Port Isolation	●		
	Port Mirroring	●		
	LACP	●		
	Port Trunking	●		
Security	DHCP Snooping	●		
	DHCP/BOOTP Client	●		
	Access Control List	●		
	IP+MAC+Port+VID Binding	●		
	Storm Control	●		
	Port Security	●		
	SSH & SSL	●		
	IP Source Guard	●		
System Management	DoS Defence	●		
	Dynamic ARP Inspection	●		
	IEEE 802.1X Authentication	●		
	Guest VLAN	●		
	Stacking	32 Units Virtual Stacking		
	SNMP	V1/V2C/V3		
	RMON	Group 1, 2, 3, 9		
	Command Line Interface (CLI)	●		
	Time Setting	SNTP		
	Firmware Upgrade	●		
System Diagnose	VCT/Loopback Test/CPU Monitor/Ping/Tracert			
Web Interface/SYSLOG/MIBS	●			

*Only supported by model TL-SL5428E

L2 Managed Switches

JetStream Gigabit Ethernet L2 Managed Switches

Overview

TP-LINK's JetStream Gigabit L2 Managed Switches (3 Series) are cost-effective for an ideal small and medium business solution featuring rich management and security functions. These products from TP-LINK are gigabit access layer switches with rich management capabilities, strict security policies and reliable performance and are some of the most cost-effective network gigabit access layer switch products on the market today.



JetStream 24-Port Gigabit L2 Managed Switch with 4 Combo SFP Slots

TL-SG3424

- 24 Gigabit RJ45 ports, 4 combo gigabit SFP expansion slots, 1 RJ45 console port
- Switch capacity: 48Gbps, Forwarding rate: 35.7Mpps
- 8K MAC address table and 10KB Jumbo Frame
- Fanless design
- 19-inch rackmountable steel case



JetStream 16-Port Gigabit L2 Managed Switch with 2 Combo SFP Slots

TL-SG3216

- 16 Gigabit RJ45 ports, 2 combo gigabit SFP expansion slots, 1 RJ45 console port
- Switch capacity: 32Gbps, Forwarding rate: 23.8Mpps
- 8K MAC address table and 10KB Jumbo Frame
- Fanless design
- 19-inch rackmountable steel case



JetStream 8-Port Gigabit L2 Managed Switch with 2 SFP Slots

TL-SG3210

- 8 Gigabit RJ45 ports, 2 gigabit SFP expansion slots, 1 RJ45 console port
- Switch capacity: 20Gbps, Forwarding rate: 14.9Mpps
- 8K MAC address table and 10KB Jumbo Frame
- Fanless design
- 13-inch desktop/rackmountable steel case

Features

L2 Features

- Link Aggregation Control Protocol (LACP)
- 4K VLAN
- Port Isolation
- GARP/GVRP
- STP/RSTP/MSTP
- IGMP Snooping

Quality of Service

- 4 Priority Queues
- IEEE 802.1P Priority
- DSCP Priority
- Rate Limit




Security Strategies

- IP-MAC-Port-VID Binding
- Access Control List (L2~L4 ACL)
- IEEE802.1x and RADIUS Authentication
- DoS Defense
- Port Security
- SSL and SSH Encryptions

Management

- Web-based GUI
- Command Line Interface
- SNMP V1/V2C/V3
- RMON (1, 2, 3, 9 group)

L2 Managed Switches

Product Picture				
Model		TL-SG3424	TL-SG3216	TL-SG3210
Product Description		JetStream 24-Port Gigabit L2 Managed Switch with 4 Combo SFP Slots	JetStream 16-Port Gigabit L2 Managed Switch with 2 Combo SFP Slots	JetStream 8-Port Gigabit L2 Managed Switch with 2 SFP Slots
Hardware	Gigabit RJ45 Ports	24	16	8
	Gigabit SFP Ports	4 (Combo)	2 (Combo)	2
	Console Port	1		
	Standards	IEEE 802.3, 802.3u, 802.3ab, 802.3z, 802.3ad, 802.3x, 802.1q, 802.1p, 802.1d, 802.1w, 802.1s, 802.1x		
	Auto Negotiation / Auto MDI/MDIX	●		
	Flow Control	●		
	Power Supply	100-240VAC, 50/60Hz		
	Fanless	●		
	Certifications	CE, FCC		
	Dimensions (W x D x H)	17.3 x 8.7 x 1.7in. (440 x 220 x 44 mm)	17.3 x 8.7 x 1.7in. (440 x 220 x 44mm)	11.7 x 7.9 x 0.7in. (294 x 200 x 44mm)
Performance	Switch Capacity	48Gbps	32Gbps	20Gbps
	Forwarding Rate	35.7Mpps	23.8Mpps	14.9Mpps
	MAC Address Table	8K		
	Jumbo Frame	10KB		
L2 Features	IGMP Snooping	V1/V2/V3		
	STP/RSTP/MSTP	●		
	BPDU Filtering/Guard	●		
	ROOT Guard/Loopback Detection	●		
	VLAN	802.1Q/Voice/MAC-based/Protocol-based VLAN/GARP/GVRP		
	QoS	4 Queues/Port/802.1p/IP DSCP based COS, TOS		
	Rate Limit	●		
	Port Isolation	●		
	LACP	●		
	Port Trunking	●		
	Port Mirroring	●		
	DHCP Snooping	●		
Security	DHCP/BOOTP Client	●		
	Access Control List	●		
	IP + MAC + PORT + VID BINDING	●		
	Storm Control	●		
	Port Security	●		
	SSH & SSL	●		
	DoS Defend	●		
	Dynamic ARP Inspection	●		
System Management	IEEE 802.1X Authentication	●		
	Guest VLAN	●		
	SNMP	V1/V2C/V3		
	RMON	Group 1, 2, 3, 9		
	Command Line Interface (CLI)	●		
	Time Setting	SNTP		
Firmware Upgrade	●			
System Diagnose	VCT/Loopback Test/CPU Monitor/Ping/Tracert			
Web Interface/SYSLOG/Public MIBS	●			

JetStream Fast Ethernet L2 Managed Switches

Overview

TP-LINK's Fast Ethernet L2 Managed Switches (3 Series) are designed especially for the networking needs of growing businesses and includes rich management features and security functions. The two products, TL-SL3452 and TL-SL3428, are access layer switches for small and medium business and are some of the most cost-effective network access layer switch products on the market today.

L2 Managed Switches



JetStream 48-Port 10/100Mbps + 4-Port Gigabit L2 Managed Switch

TL-SL3452

- 48 10/100Mbps RJ45 ports, 2 Gigabit RJ45 ports, 2 gigabit SFP expansion slots, 1 RJ45 console port
- Switch capacity: 17.6Gbps, Forwarding rate: 13.1Mpps
- 8K MAC address table and 10KB Jumbo Frame
- Fanless design
- 19-inch rackmountable steel case



JetStream 24-Port 10/100Mbps + 4-Port Gigabit L2 Managed Switch

TL-SL3428

- 24 10/100Mbps RJ45 ports, 4 Gigabit RJ45 ports, 2 combo gigabit SFP expansion slots, 1 RJ45 console port
- Switch capacity: 12.8Gbps, Forwarding rate: 9.5Mpps
- 8K MAC address table and 10KB Jumbo Frame
- Fanless design
- 19-inch rackmountable steel case

Features

L2 Features

- Link Aggregation Control Protocol (LACP)
- 4K VLAN
- Port Isolation
- GARP/GVRP
- STP/RSTP/MSTP
- IGMP Snooping

Quality of Service

- 4 Priority Queues
- IEEE 802.1P Priority
- DSCP Priority
- Rate Limit



Security Strategies

- IP-MAC-Port-VID Binding
- Access Control List (L2~L4 ACL)
- IEEE802.1x and RADIUS Authentication
- DoS Defense
- Port Security
- SSL and SSH Encryptions

Management

- Web-based GUI
- Command Line Interface
- SNMP V1/V2C/V3
- RMON (1, 2, 3, 9 group)

L2 Managed Switches

Product Picture			
Model	TL-SL3452	TL-SL3428	
Product Description	JetStream 48-Port 10/100Mbps + 4-Port Gigabit L2 Managed Switch	JetStream 24-Port 10/100Mbps + 4-Port Gigabit L2 Managed Switch	
Hardware	10/100Mbps RJ45 Ports	48	24
	Gigabit RJ45 Ports	2	4
	Gigabit SFP Ports	2	
	Console Port	1	
	Standards	IEEE 802.3, 802.3u, 802.3ab, 802.3z, 802.3ad, 802.3x, 802.1q, 802.1p, 802.1d, 802.1w, 802.1s, 802.1x	
	Auto Negotiation / Auto MDI/MDIX	●	
	Flow Control	●	
	Power Supply	100-240VAC, 50/60Hz	
	Fanless	●	
	Certifications	CE,FCC	
Dimensions (W x D x H)	17.3 x 10.2 x 1.7 in.(440 x 260 x 44 mm)	17.3 x 8.7 x 1.7in.(440 x 220 x 44mm)	
Environment	Operating Temperature: 0°C~40°C(32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F) Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing		
Performance	Switch Capacity	17.6Gbps	12.8Gbps
	Forwarding Rate	13.1Mpps	9.5Mpps
	MAC Address Table	8K	
Jumbo Frame	10KB		
L2 Features	IGMP Snooping	V1/V2/V3	
	STP/RSTP/MSTP	●	
	BPDU Filtering/Guard	●	
	ROOT Guard/Loopback Detection	●	
	VLAN	802.1Q/Voice/Protocol-based VLAN/GARP/GVRP	
	QoS	4 Queues/Port/802.1p/IP DSCP based COS, TOS	
Security	Rate Limit	●	
	Port Isolation	●	
	LACP	●	
	Port Trunking	●	
	Port Mirroring	●	
	DHCP Snooping	●	
	DHCP/BOOTP Client	●	
	Access Control List	●	
	IP + MAC + PORT + VID BINDING	●	
	Storm Control	●	
System Management	Port Security	●	
	SSH & SSL	●	
	DoS Defend	●	
	Dynamic ARP Inspection	●	
	IEEE 802.1X Authentication	●	
System Management	Guest VLAN	●	
	SNMP	V1/V2C/V3	
	RMON	Group 1, 2, 3, 9	
	Command Line Interface (CLI)	●	
	Time Setting	SNTP	
	Firmware Upgrade	●	
System Diagnose	VCT/Loopback Test/CPU Monitor/Ping/Tracert		
Web Interface/SYSLOG/Public MIBS	●		

Gigabit Ethernet Smart Switches



Overview

TP-LINK's Smart Switch series are especially designed for the access layer of small and medium networks. Compared with legacy web smart switches, new Smart Switch series adopt new shells and its software is largely optimized. Integrated with useful L2 features such as 802.1Q VLAN, QoS, IGMP Snooping, STP, Storm Control and SNMP, TP-LINK's Smart Switch provides administrators a simple, cost-effective yet intelligent networking solution.



48-Port Gigabit Smart Switch with 4 SFP Slots

TL-SG2452

- 48 Gigabit RJ45 ports, 4 gigabit SFP expansion slots
- Switch capacity: 104Gbps, Forwarding rate: 77.4Mpps
- 8K MAC address table and 10KB Jumbo Frame
- 19-inch rackmountable steel case



24-Port Gigabit Smart Switch with 4 Combo SFP Slots

TL-SG2424

- 24 Gigabit RJ45 ports, 4 combo gigabit SFP expansion slots
- Switch capacity: 48Gbps, Forwarding rate: 35.7Mpps
- 8K MAC address table and 10KB Jumbo Frame
- Fanless design
- 19-inch rackmountable steel case



16-Port Gigabit Smart Switch with 2 Combo SFP Slots

TL-SG2216

- 16 Gigabit RJ45 ports, 2 combo gigabit SFP expansion slots
- Switch capacity: 32Gbps, Forwarding rate: 23.8Mpps
- 8K MAC address table and 10KB Jumbo Frame
- Fanless design
- 19-inch rackmountable steel case



8-Port Gigabit Smart Switch

TL-SG2008

- 8 Gigabit RJ45 ports
- Switch capacity: 16Gbps, Forwarding rate: 11.9Mpps
- 8K MAC address table and 10KB Jumbo Frame
- Fanless design
- Desktop steel case

Features

Layer 2 Features

- Link Aggregation Control Protocol (LACP)
- Static LAG
- 802.1Q VLAN
- Port Isolation
- STP/RSTP/MSTP
- IGMP Snooping

Quality of Service

- 4 Priority Queues
- IEEE 802.1P Priority
- DSCP Priority
- Rate Limit

Security Strategies

- Access Control List (L2~L4 ACL)
- Port Security
- Storm Control
- SSL and SSH Encryptions

Management

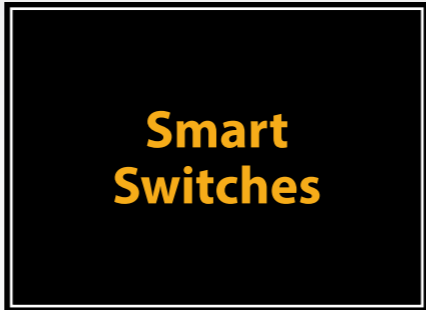
- Web-based GUI
- Command Line Interface Through Telnet
- SNMP V1/V2C/V3
- RMON (1, 2, 3, 9 group)

Smart Switches

Product Picture					
Model		TL-SG2452	TL-SG2424	TL-SG2216	TL-SG2008
Product Description		48-Port Gigabit Smart Switch with 4 SFP Slots	24-Port Gigabit Smart Switch with 4 Combo SFP Slots	16-Port Gigabit Smart Switch with 2 Combo SFP Slots	8-Port Gigabit Smart Switch
Hardware	Gigabit RJ45 Ports	48	24	16	8
	Gigabit SFP Ports	4	4 (Combo)	2 (Combo)	-
	Standards	IEEE 802.3, 802.3u, 802.3ab, 802.3z*, 802.3x, 802.1q, 802.1p, 802.1d, 802.1w, 802.1s			
	Auto Negotiation / Auto MDI/MDIX	●			
	Flow Control	●			
	Power Supply	100-240VAC, 50/60Hz			
	Fanless	-	●		
	Certifications	CE, FCC			
	Dimensions (W x D x H)	17.3 x 10.2 x 1.7 in. (440 x 260 x 44 mm)	17.3 x 7.1 x 1.7 in. (440 x 180 x 44 mm)	17.3 x 7.1 x 1.7 in. (440 x 180 x 44 mm)	8.2 x 4.9 x 1.0 in. (209 x 126 x 26 mm)
	Environment	Operating Temperature: 0°C~40°C(32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F) Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing			
Performance	Switch Capacity	104Gbps	48Gbps	32Gbps	16Gbps
	Forwarding Rate	77.4Mpps	35.7Mpps	23.8Mpps	11.9Mpps
	MAC Address Table	8K			
	Jumbo Frame	10KB			
L2 Features	IGMP Snooping	V1/V2/V3			
	STP/RSTP/MSTP	●			
	BPDU Filtering/Guard	●			
	ROOT Guard/Loopback Detection	●			
	VLAN	802.1Q VLAN			
	Voice VLAN	●			
	QoS	4 Queues/Port/802.1p/IP DSCP based CoS, ToS			
	Rate Limit	●			
	Port Isolation	●			
	LACP	●			
Security	Port Trunking	●			
	Port Mirroring	●			
	DHCP Filtering	●			
	DHCP/BOOTP Client	●			
	Access Control List	●			
	Storm Control	●			
System Management	Port Security	●			
	SSL & SSH	●			
	SNMP	V1/V2C/V3			
	RMON	Group 1,2,3,9			
	Command Line Interface(CLI)	Telnet			
	Time Setting	SNTP			
	Firmware Upgrade	●			
System Diagnose	VCT/Loopback Test/CPU Monitor/Ping/Tracert				
Web Interface/SYSLOG/Public MIBs	●				

* TL-SG2008 does not support IEEE 802.3z.

Fast Ethernet Smart Switches



Overview

TP-LINK's Smart Switch series are especially designed for the access layer of small and medium networks. Compared with legacy web smart switches, new Smart Switch series adopt new shells and its software is largely optimized. Integrated with useful L2 features such as 802.1Q VLAN, QoS, IGMP Snooping, STP, Storm Control and SNMP, TP-LINK's Smart Switch provides administrators a simple, cost-effective yet intelligent networking solution.



48-Port 10/100Mbps + 4-Port Gigabit Smart Switch

TL-SL2452

- 48 10/100Mbps RJ45 ports, 2 Gigabit RJ45 ports, 2 gigabit SFP expansion slots
- Switch capacity: 17.6Gbps, Forwarding rate: 13.1Mpps
- 8K MAC address table and 9KB Jumbo Frame
- Fanless design
- 19-inch rackmountable steel case



24-Port 10/100Mbps + 4-Port Gigabit Smart Switch

TL-SL2428

- 24 10/100Mbps RJ45 ports, 4 Gigabit RJ45 ports, 2 combo gigabit SFP expansion slots
- Switch capacity: 12.8Gbps, Forwarding rate: 9.5Mpps
- 8K MAC address table and 9KB Jumbo Frame
- Fanless design
- 19-inch rackmountable steel case



16-Port 10/100Mbps + 2-Port Gigabit Smart Switch

TL-SL2218

- 16 10/100Mbps RJ45 ports, 2 Gigabit RJ45 ports, 2 combo gigabit SFP expansion slots
- Switch capacity: 7.2Gbps, Forwarding rate: 5.4Mpps
- 8K MAC address table and 9KB Jumbo Frame
- Fanless design
- 19-inch rackmountable steel case



8-Port 10/100Mbps + 2-Port Gigabit Smart Switch

TL-SL2210

- 8 10/100Mbps RJ45 ports, 1 Gigabit RJ45 port, 1 gigabit SFP expansion slot
- Switch capacity: 5.6Gbps, Forwarding rate: 4.2Mpps
- 8K MAC address table and 9KB Jumbo Frame
- Fanless design
- 13-inch desktop/rackmountable steel case

Features

Layer 2 Features

- Link aggregation Control Protocol (LACP)
- Static LAG
- 802.1Q VLAN
- Port Isolation
- STP/RSTP/MSTP
- IGMP Snooping

Quality of Service

- 4 Priority Queues
- IEEE 802.1P Priority
- DSCP Priority
- Rate Limit

Security Strategies

- Access Control List (L2~L4 ACL)
- Port Security
- Storm Control
- SSL and SSH Encryption

Management

- Web-based GUI
- Command Line Interface Through Telnet
- SNMP V1/V2C/V3
- RMON (1, 2, 3, 9 group)

Smart Switches

Product Picture					
Model	TL-SL2452	TL-SL2428	TL-SL2218	TL-SL2210	
Product Description	48-Port 10/100Mbps + 4-Port Gigabit Smart Switch	24-Port 10/100Mbps + 4-Port Gigabit Smart Switch	16-Port 10/100Mbps + 2-Port Gigabit Smart Switch	8-Port 10/100Mbps + 2-Port Gigabit Smart Switch	
Hardware	10/100Mbps RJ45 Ports	48	24	16	
	Gigabit RJ45 Ports	2	4	2	
	Gigabit SFP Ports	2	2	2	
	Standards	IEEE 802.3, 802.3u, 802.3ab, 802.3z, 802.3x, 802.1q, 802.1p, 802.1d, 802.1w, 802.1s			
	Auto Negotiation / Auto MDI/MDIX	●			
	Flow Control	●			
	Power Supply	100-240VAC, 50/60Hz			
	Fanless	●			
	Certifications	CE, FCC			
	Dimensions (W x D x H)	17.3x10.2x1.7 in. (440x260x44mm)	17.3 x 7.1 x 1.7 in. (440 x 180 x 44 mm)	17.3 x 7.1 x 1.7 in. (440 x 180 x 44 mm)	11.6x7.1x1.7 in. (294x180x44mm)
Environment	Operating Temperature: 0°C~40°C(32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F)				
	Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing				
Performance	Switch Capacity	17.6Gbps	12.8Gbps	7.2Gbps	
	Forwarding Rate	13.1Mpps	9.5Mpps	5.4Mpps	
	MAC Address Table	8K			
	Jumbo Frame	9KB			
L2 Features	IGMP Snooping	V1/V2/V3			
	STP/RSTP/MSTP	●			
	BPDU Filtering/Guard	●			
	ROOT Guard/Loopback Detection	●			
	VLAN	802.1Q VLAN			
	Voice VLAN	●			
	QoS	4 Queues/Port/802.1p/IP DSCP based CoS, ToS			
	Rate Limit	●			
	Port Isolation	●			
	LACP	●			
Security	Port Trunking	●			
	Port Mirroring	●			
	DHCP Filtering	●			
	DHCP/BOOTP Client	●			
	Access Control List	●			
System Management	Storm Control	●			
	Port Security	●			
	SSL & SSH	●			
	SNMP	V1/V2C/V3			
	RMON	Group 1,2,3,9			
	Command Line Interface(CLI)	Telnet			
	Time Setting	SNTP			
Firmware Upgrade	●				
System Diagnose	VCT / Loopback Test / CPU Monitor / Ping / Tracert				
Web Interface/SYSLOG/Public MIBS	●				

Easy Smart Switches

Easy Smart Switches

Overview

TP-LINK Easy Smart Switches are ideal upgrade from the Unmanaged Switches. Providing Easy Smart Configuration Utility management software and equipped with many basic practical features including Port/Tag/MTU VLAN, QoS and IGMP Snooping, the Easy Smart Switches provide network administrators with a simple and cost-effective networking solution for Small Business networks.



24-Port Gigabit Easy Smart Switch
TL-SG1024DE

- 24 Gigabit RJ45 ports
- Switch capacity: 48Gbps, Forwarding rate: 35.7Mpps
- 8K MAC address table and 10KB Jumbo Frame
- Fanless design
- 13-inch desktop/rackmountable steel case



16-Port Gigabit Easy Smart Switch
TL-SG1016DE

- 16 Gigabit RJ45 ports
- Switch capacity: 32Gbps, Forwarding rate: 23.8Mpps
- 8K MAC address table and 10KB Jumbo Frame
- Fanless design
- 13-inch desktop/rackmountable steel case



8-Port Gigabit Easy Smart Switch
TL-SG108E

- 8 Gigabit RJ45 ports
- Switch capacity: 16Gbps, Forwarding rate: 11.9Mpps
- 8K MAC address table and 16KB Jumbo Frame
- Fanless design
- Desktop steel case



5-Port Gigabit Easy Smart Switch
TL-SG105E

- 5 Gigabit RJ45 ports
- Switch capacity: 10Gbps, Forwarding rate: 7.4Mpps
- 8K MAC address table and 16KB Jumbo Frame
- Fanless design
- Desktop steel case

Features

L2 Features

- IGMP Snooping
- Port Trunking
- Port Mirroring
- Cable Test
- Loop Prevention

VLAN

- 32 VLANs
- MTU/Port/Tag VLAN

Quality of Service

- Port Based/802.1p Based priority
- 4 priority queues
- Rate Limit
- Storm Control

Green Technology

- Saving power 40%
- Recyclable packaging material

Easy Smart Switches

Product Picture					
Model	TL-SG1024DE	TL-SG1016DE	TL-SG108E	TL-SG105E	
Product Description	24-Port Gigabit Easy Smart Switch	16-Port Gigabit Easy Smart Switch	8-Port Gigabit Easy Smart Switch	5-Port Gigabit Easy Smart Switch	
Hardware	Gigabit RJ45 Ports	24	16	8	
	Standards	IEEE 802.3, 802.3u, 802.3ab, 802.3x, 802.1q, 802.1p			
	Auto Negotiation / Auto MDI/MDIX	●			
	Flow Control	●			
	Power Supply	100-240VAC, 50/60Hz			
	Fanless	●			
	Certifications	CE, FCC			
Performance	Dimensions (W x D x H)	11.6 x 7.1 x 1.7 in. (294 x 180 x 44 mm)	11.6 x 7.1 x 1.7 in. (294 x 180 x 44 mm)	6.2 x 4.0 x 1.0 in. (158 x 101 x 25 mm)	
	Environment	Operating Temperature: 0°C~40°C (32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F) Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing			
	Switch Capacity	48Gbps	32Gbps	16Gbps	10Gbps
Software Features	Forwarding Rate	35.7Mpps	23.8Mpps	11.9Mpps	
	MAC Address Table	8K			
	Jumbo Frame	10KB		16KB	
	IGMP Snooping	v1/v2			
Software Features	Port Trunking	●			
	Port Mirroring	●			
	Cable Test	●			
	Loop Prevention	●			
	VLAN	MTU/Port/802.1Q VLAN			
	QoS	4 Queues/Port/802.1p			
	Rate Limit	●			
	Storm Control	●			
Firmware Upgrade	●				

Green Technology

You now have the choice to go green with TP-LINK eco-friendly devices. TP-LINK power saving technology helps you build your network with less investment. What's more, TP-LINK consciously strives to commit to reducing our own environmental footprint, so as to protect our environment for now and the future.

What is the TP-LINK Green Technology?

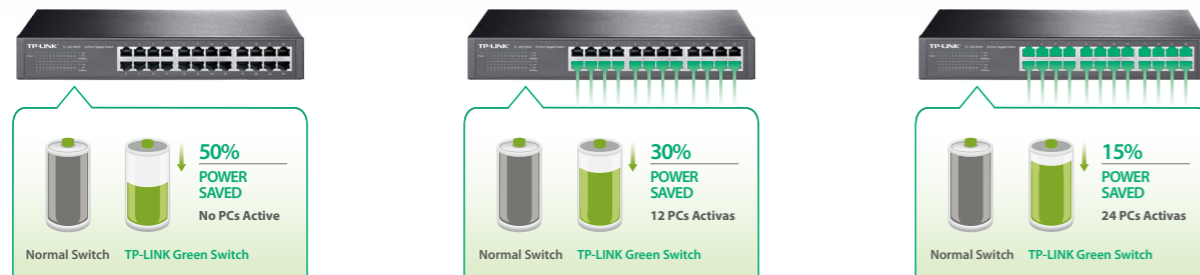


TP-LINK Power Saving Technology

TP-LINK switches feature the latest innovative energy-efficient technologies that can expand your network capacity with much less power and greatly save your business costs on investments in networking infrastructure. Traditional devices operate at full power, 24-hours a day, regardless of network demands. TP-LINK Green Technology is designed to save power consumption by up to 80% by adjusting power consumption according to the usage of devices. TP-LINK switches with Green Technology achieve power consumption savings by incorporating two primary features:

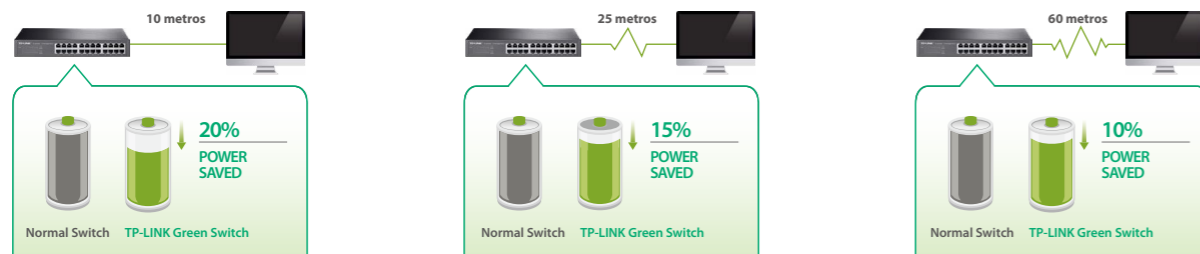
Power Down Idle Ports

When a computer or network equipment is off, the corresponding port of a traditional switch will continue to consume considerable amounts of power. TP-LINK Green Technology can automatically detect the link status of each port and reduce the power consumption of ports that are idle.



Power Budgeting According to Cable Length

Ideally, shorter cables would use less power due to a decrease in power degradation over their length; this is not the case with most devices as they will use the same amount of power across the cable regardless of whether they are 10 or 50 meters in length. TP-LINK Green Technology analyzes the length of the Ethernet cable connected and adjusts the power usage accordingly, rather than keeping the power consumption in a conventional solution, saving up to 60% of power that would otherwise be wasted.



* Maximum power savings when compared to a TP-LINK conventional switch, the real saving rate may vary based on the usage condition.

Gigabit Unmanaged Rackmount Switches



Overview

TP-LINK's Gigabit Unmanaged Switches can increase the speed of your network and backbone connection, or make gigabit to the desktop a reality. They are simple plug and play products, with no software configuration and providing high performance ports that allow for simple and effective expansion of small and medium business networks, making work that much more efficient. At the same time, the updated products in this series feature green technology that can significantly reduce power consumption, effectively reducing network maintenance costs while protecting the environment.



16/24/48-Port Gigabit Rackmount Switch
TL-SG1016/TL-SG1024/TL-SG1048

- 16/24/48 Gigabit RJ45 ports
- Switch capacity: 32Gbps, 48Gbps, 96Gbps
- Forwarding rate: 23.8Mpps, 35.7Mpps, 71.4Mpps
- 8K MAC address table and 10KB Jumbo Frame
- Green Ethernet technology, saves power up to 40%/40%/70%
- Fanless design (for TL-SG1016/TL-SG1024 only)
- 19-inch rackmountable steel case



8/16/24-Port Gigabit Switch
TL-SG1008/TL-SG1016D/TL-SG1024D

- 8/16/24 Gigabit RJ45 ports
- Switch capacity: 16Gbps, 32Gbps, 48Gbps
- Forwarding rate: 11.9Mpps, 23.8Mpps, 35.7Mpps
- 8K MAC address table and 16/10/10KB Jumbo Frame
- Green Ethernet technology, saves power up to 75%/40%/40%
- Fanless design
- 13-inch desktop/rackmountable steel case

Product Picture						
Model	TL-SG1048	TL-SG1024	TL-SG1016	TL-SG1024D	TL-SG1016D	TL-SG1008
Product Description	48-Port Gigabit Rackmount Switch	24-Port Gigabit Rackmount Switch	16-Port Gigabit Rackmount Switch	24-Port Gigabit Desktop / Rackmount Switch	16-Port Gigabit Desktop / Rackmount Switch	8-Port Gigabit Desktop / Rackmount Switch
Gigabit RJ45 Ports	48	24	16	24	16	8
MAC Address Table	8K					
Switch Capacity	96Gbps	48Gbps	32Gbps	48Gbps	32Gbps	16Gbps
Forwarding Rate	71.4Mpps	35.7Mpps	23.8Mpps	35.7Mpps	23.8Mpps	11.9Mpps
Jumbo Frame	10KB	10KB	10KB	10KB	10KB	15KB
Fanless	-			●		
Green Technology				●		
Auto-Negotiation/ Auto MDI/MDIX				●		
802.3X Flow Control & Back Pressure				●		
Transfer Method	Store and Forward					
Auto-uplink Every Port				●		
Power Supply	100-240VAC, 50/60Hz					
Certifications	CE, FCC					
Dimensions (W x D x H)	17.3 x 10.2 x 1.7in. (440 x 260 x 44mm)	17.3 x 7.1 x 1.7in. (440 x 180 x 44mm)	17.3 x 7.1 x 1.7in. (440 x 180 x 44mm)	11.6 x 7.1 x 1.7in. (294 x 180 x 44mm)	11.6 x 7.1 x 1.7in. (294 x 180 x 44mm)	11.6 x 7.1 x 1.7in. (294 x 180 x 44mm)
Environment	Operating Temperature: 0°C~40°C (32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F) Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing					

Unmanaged Switches

Fast Ethernet Unmanaged Rackmount Switches

Overview

TP-LINK's Fast Ethernet Switches are simple plug and play products, with no software configuration, designed to meet the needs of the most demanding workgroup and departmental connectivity, making work more efficient. At the same time, the updated products in this series feature green technology that can significantly reduce power consumption, effectively reducing network maintenance costs while protecting the environment.



16/24/48-Port 10/100Mbps Rackmount Switch

TL-SF1016/TL-SF1024/TL-SF1048

- 16/24/48 10/100Mbps RJ45 ports
- Switch capacity: 3.2Gbps, 4.8Gbps, 9.6Gbps
- Forwarding rate: 2.4Mpps, 3.6Mpps, 7.1Mpps
- 8K MAC address table
- Green Ethernet technology, saves power up to 75%/75%/50%
- Fanless design
- 19-inch rackmountable steel case



16/24-Port 10/100Mbps Desktop/Rackmount Switch

TL-SF1016DS/TL-SF1024D

- 16/24 10/100Mbps RJ45 ports
- Switch capacity: 3.2Gbps, 4.8Gbps
- Forwarding rate: 2.4Mpps, 3.6Mpps
- 8K MAC address table
- Green Ethernet technology, saves power up to 75%/75%
- Fanless design
- 13-inch desktop/rackmountable steel case



24-Port 10/100Mbps + 2-Port Gigabit Rackmount Switch

TL-SL1226

- 24 10/100Mbps RJ45 ports, 2 Gigabit RJ45 ports
- Switch capacity: 8.8Gbps, Forwarding rate: 6.6Mpps
- 8K MAC address table
- Green Ethernet technology, saves power up to 60%
- Fanless design
- 19-inch rackmountable steel case

Unmanaged Switches

Product Picture				
Model	TL-SF1048	TL-SL1226	TL-SF1024	TL-SF1024D
Product Description	48-Port 10/100Mbps Rackmount Switch	24-Port 10/100Mbps + 2-Port Gigabit Switch	24-Port 10/100Mbps Rackmount Switch	24-Port 10/100Mbps Desktop/Rackmount Switch
10/100Mbps RJ45 Ports	48		24	
MAC Address Table	8K			
Switch Capacity	9.6Gbps	8.8Gbps	4.8Gbps	
Forwarding Rate	7.14Mpps	6.55Mpps	3.57Mpps	
Fanless			●	
Green Technology			●	
EEE			●	
Auto Negotiation / Auto MDI/MDIX			●	
Flow Control & Back Pressure			●	
Transfer Method	Store and Forward			
Auto-uplink Every Port			●	
Power Supply	100-240VAC, 50/60Hz			
Certifications	CE, FCC			
Dimensions (W x D x H)	17.3 x 10.2 x 1.7in. (440 x 260 x 44mm)	17.3 x 7.1 x 1.7in. (440 x 180 x 44mm)	17.3 x 7.1 x 1.7in. (440 x 180 x 44mm)	11.6 x 7.1 x 1.7in. (294 x 180 x 44mm)
Environment	Operating Temperature: 0°C ~40°C (32°F~104°F); Storage Temperature: -40°C ~70°C (-40°F~158°F); Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing			

Product Picture		
Model	TL-SF1016	TL-SF1016DS
Product Description	16-Port 10/100Mbps Rackmount Switch	16-Port 10/100Mbps Desktop/Rackmount Switch
10/100Mbps RJ45 Ports	16	
MAC Address Table	8K	
Switch Capacity	3.2Gbps	
Forwarding Rate	2.38Mpps	
Fanless	●	
Green Technology	●	
EEE	●	
Auto Negotiation / Auto MDI/MDIX	●	
Flow Control & Back Pressure	●	
Transfer Method	Store and Forward	
Auto-uplink Every Port	●	
Power Supply	100-240VAC, 50/60Hz	
Certifications	CE, FCC	
Dimensions (W x D x H)	17.3 x 7.1 x 1.7in. (440 x 180 x 44mm)	11.6 x 7.1 x 1.7in. (294 x 180 x 44mm)
Environment	Operating Temperature: 0°C ~40°C (32°F~104°F); Storage Temperature: -40°C ~70°C (-40°F~158°F); Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing	

Unmanaged Desktop Switches

Unmanaged Switches

Overview

The TP-LINK's Unmanaged Desktop Switches are simple plug & play products, providing an easy way to expand your wired network. All gigabit ports easily accelerate your wired network. Steel housing and small size ensure flexible placement. Moreover, with TP-LINK green technology, Desktop Switches can effectively reduce power consumption, making them an eco-friendly solution for your home or office network.





8-Port Gigabit Desktop Switch
TL-SG108

- 8 Gigabit RJ45 ports
- Switch capacity: 16Gbps, Forwarding rate: 11.9Mpps
- 8K MAC address table and 12KB Jumbo Frame
- Green Ethernet technology, saves power up to 72%
- Support QoS (IEEE 802.1p)
- Steel housing, desktop and fanless design



5-Port Gigabit Desktop Switch
TL-SG105

- 5 Gigabit RJ45 ports
- Switch capacity: 10Gbps, Forwarding rate: 7.4Mpps
- 2K MAC address table and 9KB Jumbo Frame
- Green Ethernet technology, saves power up to 65%
- Support QoS (IEEE 802.1p) and IGMP Snooping
- Steel housing, desktop and fanless design

Product Picture		
Model	TL-SG108	TL-SG105
Product Description	8-Port Gigabit Desktop Switch	5-Port Gigabit Desktop Switch
Gigabit RJ45 Ports	8	5
MAC Address Table	8K	2K
Switch Capacity	16Gbps	10Gbps
Forwarding Rate	11.9Mpps	7.4Mpps
Jumbo Frame	12KB	9KB
Fanless		●
Green Technology		●
Auto Negotiation / Auto MDI/MDIX		●
Flow Control & Back Pressure		●
QoS		802.1p
IGMP Snooping	-	●
Transfer Method	Store and Forward	
Auto-uplink Every Port		●
Power Supply	100-240VAC, 50/60Hz	
Certifications	CE, FCC	
Dimensions (W x D x H)	6.2 x 4.0 x 1.0 in. (158 x 101 x 25 mm)	3.9 x 3.9 x 1.0 in. (100 x 98 x 25 mm)
Environment	Operating Temperature: 0°C ~40°C (32°F~104°F); Storage Temperature: -40°C ~70°C (-40°F~158°F); Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing	

Power over Ethernet Switches

TP-LINK PoE Switch Series

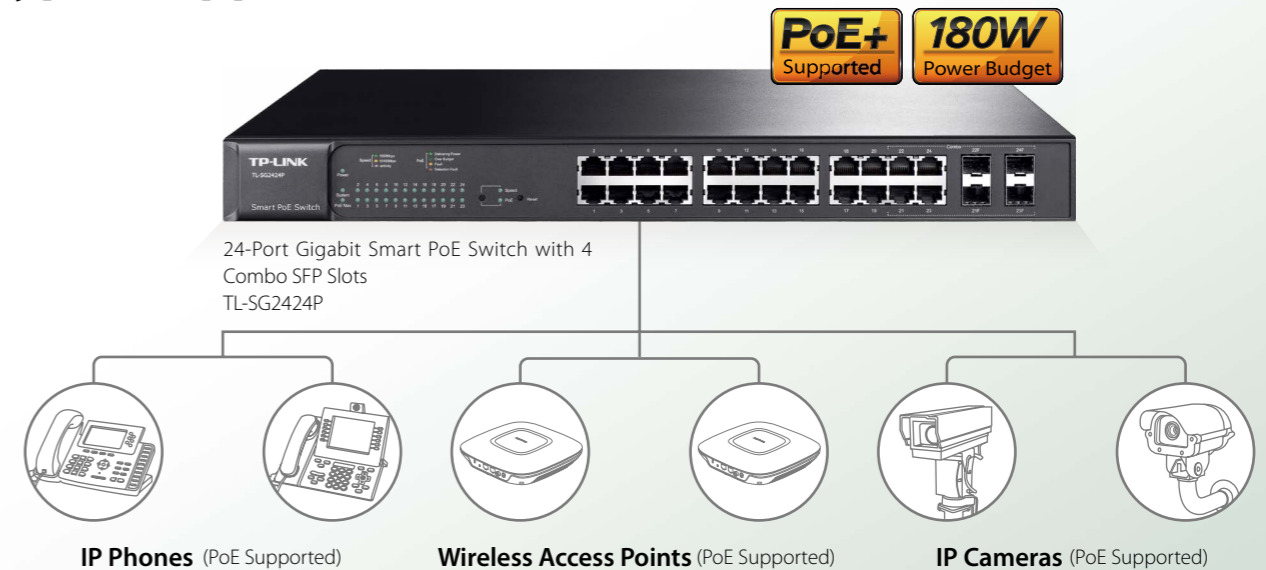
TP-LINK's PoE switches are specifically designed to meet either the 802.3af standard, or the 802.3at Power over Ethernet (PoE) Plus standard for powering network devices. Managed and unmanaged PoE switches are available, transmitted electrical power along with data in a single cable allowing users to expand their networks where there is no power socket. With PoE, installation of network devices such as APs, IP cameras or IP phones, and other PoE enabled devices in hard-to-reach, outdoor, and remote areas is simplified.



TL-SF1008P/TL-SG1008P/TL-SG2210P

TL-SG1008PE/TL-SG2424P/TL-SG3424P

Typical Application



Power over Ethernet

PoE Switches

Overview

TP-LINK's PoE Switches can automatically detect and supply power with IEEE 802.3at/af compliant Powered Devices (PDs). In this environment, electrical power is transmitted along with data in a single cable allowing users to expand their networks where there is no power socket, to fixed devices such as APs, IP cameras or IP phones.



JetStream 24-Port Gigabit L2 Managed PoE+ Switch with 4 Combo SFP Slots
TL-SG3424P

- 24 Gigabit RJ45 ports (All ports support IEEE 802.3at/af standards), 4 combo gigabit SFP expansion slots, 1 RJ45 console port
- Switch capacity: 48Gbps, Forwarding rate: 35.7Mpps
- 320W PoE Power Budget
- 8K MAC address table and 10KB Jumbo Frame
- 19-inch rackmountable steel case



24-Port Gigabit Smart PoE+ Switch with 4 Combo SFP Slots
TL-SG2424P

- 24 Gigabit RJ45 ports (All ports support IEEE 802.3at/af standards), 4 combo gigabit SFP expansion slots
- Switch capacity: 48Gbps, Forwarding rate: 35.7Mpps
- 180W PoE Power Budget
- 8K MAC address table and 10KB Jumbo Frame
- 19-inch rackmountable steel case



8-Port Gigabit Smart PoE Switch with 2 SFP Slots
TL-SG2210P

- 8 Gigabit RJ45 ports (All ports support IEEE 802.3af standard), 2 gigabit SFP expansion slots
- Switch capacity: 20Gbps, Forwarding rate: 14.9Mpps
- 53W PoE Power Budget
- 8K MAC address table and 9216Bytes Jumbo Frame
- Desktop steel case



8-Port Gigabit Desktop/Rackmount Switch with 8-Port PoE+
TL-SG1008PE

- 8 Gigabit RJ45 ports (All ports support IEEE 802.3at/af standards)
- Switch capacity: 16Gbps, Forwarding rate: 11.9Mpps
- 124W PoE Power Budget
- 8K MAC address table and 16KB Jumbo Frame
- 13-inch desktop/rackmountable steel case



8-Port Gigabit Desktop Switch with 4-Port PoE
TL-SG1008P




- 8 Gigabit RJ45 ports (Port1~Port4 support IEEE 802.3af standard)
- Switch capacity: 16Gbps, Forwarding rate: 11.9Mpps
- 53W PoE Power Budget
- 8K MAC address table and 16KB Jumbo Frame
- Desktop steel case




8-Port 10/100Mbps Desktop Switch with 4-Port PoE
TL-SF1008P

- 8 10/100Mbps RJ45 ports (Port1~Port4 support IEEE 802.3af standards)
- Switch capacity: 1.6Gbps, Forwarding rate: 1.2Mpps
- 57W PoE Power Budget
- 1K MAC address table
- Desktop steel case

PoE Switches

Product Picture				
Model	TL-SG3424P	TL-SG2424P	TL-SG2210P	
Product Description	JetStream 24-Port Gigabit L2 Managed PoE + Switch with 4 Combo SFP Slots	24-Port Gigabit Smart PoE + Switch with 4 Combo SFP Slots	8-Port Gigabit Smart PoE Switch with 2 SFP Slots	
Performance	Gigabit RJ45 Ports	24, all Ports support PoE+		
	Gigabit SFP Ports	4 (Combo)		
	Console Port	1	-	
	Standards	IEEE 802.3, 802.3u, 802.3ab, 802.3af, 802.3at, 802.3z, 802.3x, 802.1q, 802.1p, 802.1d, 802.1w, 802.1s, 802.1x	IEEE 802.3, 802.3u, 802.3ab, 802.3af, 802.3z, 802.3x, 802.1q, 802.1p, 802.1d, 802.1w, 802.1s	
	Auto Negotiation / Auto MDI/MDIX	●		
	Flow Control	●		
	Power Supply	100-240VAC, 50/60Hz		
	PoE Power Budget	320W	180W	53W
	Certifications	CE, FCC		
	Dimensions (W x D x H)	17.3 x 13 x 1.7in. (440 x 330 x 44mm)		8.2 x 4.9 x 1.0 in (209 x 126 x 26mm)
L2 Features	Environment	Operating Temperature: 0°C ~40°C (32°F~104°F); Storage Temperature: -40°C ~70°C (-40°F~158°F); Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing		
	Switch Capacity	48Gbps		20Gbps
	Forwarding Rate	35.7Mpps		14.9Mpps
	MAC Address Table	8K		9KB
	Jumbo Frame	10KB		9KB
	IGMP Snooping	V1/V2/V3		
	STP/RSTP/MSTP	●		
	BPDU Filtering/Guard	●		
	ROOT Guard/Loopback Detection	●		
	VLAN	802.1 Q/Voice/MAC-based/Protocol-based VLAN, GARP/GVRP	802.1 Q/Voice VLAN	
Security	Rate Limit	●		
	QoS	4 Queues/Port/802.1p/IP DSCP based COS,TOS		
	Port Isolation	●		
	Port Trunking	●		
	LACP	●		
	Port Mirroring	●		
	DHCP Snooping	●	DHCP Filtering	
	DHCP & BOOTP Client	●		
	Access Control List	●		
	IP+MAC+PORT+VID Binding	●	-	
System Management	Storm Control	●		
	Port Security	●		
	SSH & SSL	●		
	IP Source Guard	●	-	
	DoS Defend	●	-	
	Dynamic ARP Inspection	●	-	
	IEEE 802.1X Authentication	●	-	
	Guest VLAN	●	-	
	SNMP	V1/V2C/V3		
	RMON	Group 1, 2, 3, 9		
Command Line Interface (CLI)	●	Telnet		
Time Setting	SNTP			
Firmware Upgrade	●			
System Diagnose	VCT/Loopback Test/CPU Monitor/Ping/Tracert			
Web Interface/Public MIBS	●			
SYSLOG	●	-		

PoE Switches

Product Picture				
Model	TL-SG1008PE	TL-SG1008P	TL-SF1008P	
Product Description	8-Port Gigabit Desktop/Rackmount Switch with 8-Port PoE+	8-Port Gigabit Desktop Switch with 4-Port PoE	8-Port 10/100Mbps Desktop Switch with 4-Port PoE	
Hardware	10/100Mbps RJ45 Port	-		
	Gigabit RJ45 Ports	8 (all ports support PoE+)	8 (Port1~4 support PoE)	-
	Standards	IEEE802.3, 802.3u, 802.3ab, 802.3x, 802.3af, 802.3at	IEEE802.3, 802.3u, 802.3ab, 802.3x, 802.3af	IEEE802.3, 802.3u, 802.3x, 802.3af
	Auto Negotiation / Auto MDI/MDIX	●		
	Flow Control	●		
	Power Supply	100-240VAC, 50/60Hz		
	PoE Power Budget	124W	53W	57W
	Fanless	-	●	
	Certifications	CE, FCC		
	Dimensions (W x D x H)	11.6 x 7.1 x 1.7 in. (294 x 180 x 44 mm)	6.7 x 3.9 x 1.1 in. (171 x 98 x 27mm)	6.7 x 3.9 x 1.1 in. (171 x 98 x 27mm)
Environment	Operating Temperature: 0°C~40°C (32°F~104°F); Storage Temperature: -40°C ~70°C (-40°F~158°F); Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing			
Performance	Switch Capacity	16Gbps	16Gbps	1.6Gbps
	Forwarding Rate	11.9Mpps	11.9Mpps	1.2Mpps
	MAC Address Table	8k		1k
	Jumbo Frame	16KB		-

Power over Ethernet

PoE Adapters

Overview

TP-LINK's PoE Adapters can help deliver your power and data through one Ethernet cable, thus will greatly help expand your network to where there is no power line or outlets. Among TP-LINK's PoE Adapters family, TL-POE150S and TL-POE10R support IEEE 802.3af standard which make them highly compatible with all IEEE 802.3af compliant devices. TL-POE200, including TL-POE200A and TL-POE200B, is a pair product which is recommended to be used together.



TL-POE150S

- Support IEEE 802.3af standard
- Support Gigabit speed
- Auto MDI/MDIX, Auto Negotiation
- LED indicator for PWR, Link/Act






TL-POE10R

- Support IEEE 802.3af standard
- Support Gigabit speed
- Optional 12V/9V/5V power supply
- Auto MDI/MDIX, Auto Negotiation




TL-POE200

- Optional 12V/9V/5V power supply
- Auto MDI/MDIX, Auto Negotiation



Product Picture				
Model	TL-POE150S	TL-POE10R	TL-POE200	
Product Description	PoE Injector	PoE Splitter	PoE Injector	PoE Splitter
RJ45 Ports	1 Gigabit RJ45 LAN port 1 Gigabit RJ45 PoE port		1 10/100Mbps RJ45 LAN port 1 10/100Mbps RJ45 PoE port	
Standards	IEEE802.3, IEEE802.3u, IEEE802.3ab, 802.3af; CSMA/CD, TCP/IP		IEEE802.3, IEEE802.3u; CSMA/CD, TCP/IP	
Power Supply	Input: 100-240VAC	Output: 5/9/12VDC	Input: 100-240VAC	Output: 5/9/12VDC
Certifications	CE, FCC			
Dimensions (W x D x H)	3.2 x 2.1 x 0.9in. (80.8 x 54 x 24mm)			
Environment	Operating Temperature: 0°C ~40°C (32°F~104°F); Storage Temperature: -40°C ~70°C (-40°F~158°F); Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~89% non-condensing			

Accessories

10 Gigabit SFP + Module

Product Picture	
Model	TX432
Product Description	10-Gigabit 2-Port SFP + Module
Standard	IEEE 802.3ae, IEEE 802.3aq, SFF-8431
LED	M1,M2
Dimensions	5.2 * 3.6 * 1.2 in. (131*92*31mm)
Max Power Consumption	6.57W with Fiber
Certifications	CE, FCC
Environment	Operating Temperature: 0°C~40°C (32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F) Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing

SFP+ Cable








Product Picture		
Model	TXC432-CU1M	TXC432-CU3M
Product Description	1M Direct Attach SFP+ Cable	3M Direct Attach SFP+ Cable
Cable Length	1m	3m
Data Rate	10Gbps	
Environment	Operating Temperature: 0°C~40°C (32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F) Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing	


Redundant Power Supply

Product Picture			
Model	RPS150	PSM150-AC	RPS2
Product Description	150W Redundant Power Supply	150W AC Power Supply Module	Dual Bay Rackmountable RPS Shelf
AC Power Input	100-240V~ 50/60Hz 2.5A	100-240V~ 50/60Hz 2.5A	-
DC Power Output	12V/12.5A		
Maximum Power Output	150W		
LEDs	Power, FAN	Power, PS OK, Fault	-
Dimensions	7.9*8.0*1.7 in. (200*204*44 mm)	4.7*8.4*1.6in. (120*213*41.8 mm)	19.0*7.5*2.2in. (482*190*56 mm)
Environment	Operating Temperature: 0°C~40°C (32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F) Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing		


Accessories

Media Converters

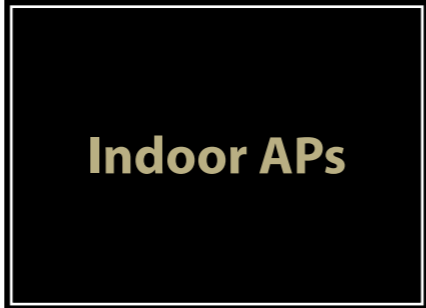
Product Picture							
Model	MC200CM	MC210CS	MC220L	MC100CM	MC110CS	MC111CS	MC112CS
Product Description	Gigabit Ethernet Media Converter	Gigabit Ethernet Media Converter	Gigabit Ethernet Media Converter	Fast Ethernet Media Converter	Fast Ethernet Media Converter	WDM Fast Ethernet Media Converter	WDM Fast Ethernet Media Converter
Interface	1 Gigabit SC/UPC Port		1 Gigabit SC Port	1 10/100Mbps SC/UPC Port			
	1 10/1001000Mbps RJ45 Port (Auto MDI/MDIX)				1 10/100Mbps RJ45 Port (Auto MDI/MDIX)		
Standards	IEEE 802.3ab, IEEE 802.3z, IEEE 802.3x			IEEE 802.3u, IEEE 802.3x			
Transmission Media	Multi-mode Fiber, Cat-5	Single-mode Fiber, Cat-5	Multi/Single-mode Fiber, Cat-5	Multi-mode Fiber, Cat-5	Single-mode Fiber, Cat-5	Single-mode Fiber, Cat-5	Single-mode Fiber, Cat-5
Wave Length	850nm	1310nm	Depends on the SFP Modules used	1310nm	1310nm	TX:1550nm RX:1310nm	TX:1310nm RX:1550nm
Transmission Distance	0.55km	15km	0.55km /10km	2km	20km	20km	20km
Certifications	FCC, CE						
Dimensions (W x D x H)	3.7x2.9x1.1 in. (94.5x73.0x27.0 mm)						
Environment	Operating Temperature: 0°C~40°C (32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F); Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~89% non-condensing						

Product Picture	
Model	TL-MC1400
Product Description	14-Slot Rackmount Chassis
Interface	14 bays to house up to 14 media converters
Certifications	FCC, CE
Dimensions (W x D x H)	19.0 x 14.1 x 3.4 in. (482 x 358 x 86mm) Standard 19-Inch, 2U height
Weight	8Kg
Environment	Operating Temperature: 0°C~40°C (32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F); Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~89% non-condensing

SFP Modules

Product Picture						
Model	TL-SM311LM	TL-SM311LS	TL-SM321A	TL-SM321B	TXM431-SR	TXM431-LR
Product Description	Multi-mode SFP Module	Single-mode SFP Module	1000Base-BX WDM Bi-Directional SFP module	1000Base-BX WDM Bi-Directional SFP module	10GBase-SR SFP+ LC Transceiver	10GBase-LR SFP+ LC Transceiver
Cable	Multi-mode Fiber	Single-mode Fiber	Single-mode Fiber	Single-mode Fiber	Multi-mode Fiber	Single-mode Fiber
Fiber Type	50/125µm or 62.5/125µm Multi-mode	9/125 µm Single-mode	9/125 µm Single-mode	9/125 µm Single-mode	50/125µm or 62.5/125µm Multi-mode	9/125 µm Single-mode
MAX. Cable Length	550m	10km	10km	10km	300m or 33m	10km
Standard	IEEE 802.3z				IEEE 802.3ae, CSMA/CD, TCP/IP	
Data Rate	1.25Gbps				10Gbps	
Port Type	LC/UPC					
Wave Length	850nm	1310nm	TX: 1550nm RX: 1310nm	TX: 1310nm RX: 1550nm	850nm	1310nm
Power Supply	3.3V					
Certifications	CE, FCC					
Environment	Operating Temperature: 0°C~40°C (32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F) Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing					

Indoor APs



Overview

The TP-LINK's EAP series business Access Point provide a flexible, easy-to-deploy, manageable and robust security business-class wireless network solution. Simple mounting design to easily mount to a wall or ceiling. WLAN configuration and management are simplified through clustering function and centralized management software. EAP series also feature cluster functionality, centralized management software, captive portal and auto RF management, making them ideal for the high-density, intensive demanding businesses environment, include campus, hotels, malls and offices.



N600 Wireless Dual Band Gigabit Access Point

EAP220

- Simultaneous Dual Band N, with maximum speed up to 300Mbps over 2.4GHz and 5GHz
- 1 Gigabit Ethernet port, 1RJ45 console port.
- Support Power over Ethernet (IEEE 802.3af) for flexible deployment.
- Ceiling or Wall Mounting



300Mbps Wireless N Gigabit Access Point

EAP120

- Wireless N speed up to 300Mbps
- 1 Gigabit Ethernet port, 1RJ45 console port
- Support Power over Ethernet (IEEE 802.3af) for flexible deployment.
- Ceiling or Wall Mounting



300Mbps Wireless N Gigabit Access Point

EAP110

- Wireless N speed up to 300Mbps
- 1 10/100Mbps Ethernet port, 1RJ45 console port.
- Support Passive Power over Ethernet for flexible deployment.
- Ceiling or Wall Mounting

Features

Wireless Function

- IEEE 802.11a¹/b/g/n
- Multiple SSIDs
- Automatic Channel Assignment
- Transmit Power Control
- QoS (WMM)
- Load Balance
- Wireless Schedule

Wireless Security

- Captive Portal Authentication
- MAC Address Filtering
- Wireless Isolation between Clients
- SSID to VLAN Mapping
- Rogue AP Detection
- 802.1x Support
- WEP, WPA/WPA2-PSK, WPA/WPA2-Enterprise Encryption

Centralized Network Management

- Free Controller Software²
- Clustering
- Automatic Device Discovery
- Centralized Configuration
- Centralized Monitoring
- Unified Firmware Upgrade

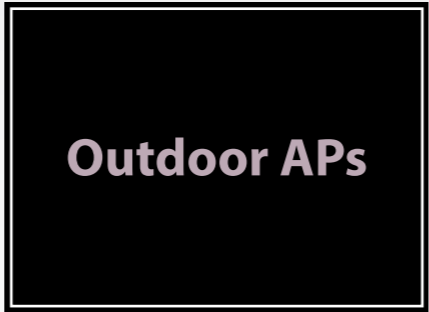
¹ Only supported by model EAP220

² To be released

Indoor APs


Product Picture				
Model	EAP220	EAP120	EAP110	
Product Description	N600 Wireless Dual Band Gigabit Access Point	300Mbps Wireless N Gigabit Access Point	300Mbps Wireless N Access Point	
Main Design	Wireless Frequency	2.4GHz & 5GHz	2.4GHz	
	Compatibility	IEEE 802.11a/b/g/n	IEEE 802.11b/g/n	
	Maximum Data Rate	Up to 300+300 Mbps	Up to 300Mbps	
	Internal Antennas	4 * 4dBi	2 * 4dBi	
	Max. RF Transmit Power	2.4GHz: 23dBm 5GHz: 20dBm	23dBm	
	Ethernet Ports	Gigabit Port * 1		10/100Mbps Port * 1
Power over Ethernet (PoE)	IEEE 802.3af		24V Passive PoE	
Centralized Management	Centralized Management	●		
	Max. APs in one cluster	24		
	EAP Controller Software	●		
Security	Captive Portal Authentication	●		
	Wireless MAC Address Filtering	●		
	Wireless Isolation between Clients	●		
	SSID to VLAN Mapping	●		
	Rogue AP Detection	●		
	802.1X Support	●		
Encryption	WEP, WPA/WPA2-PSK, WPA/WPA2-Enterprise			
Wireless Function	Multiple SSIDs	16 (8 on each radio)	8	8
	Enable/Disable Wireless Radio	●		
	Automatic Channel Assignment	●		
	Transmit Power Control	Adjust Transmit Power on dBm		
	QoS(WMM)	●		
	Load Balance	●		
	Wireless Schedule	●		
	Wireless Statistics	Based on SSID/AP/Client		
Management	LED ON/OFF Control	●		
	Management MAC Access Control	●		
	Web-Based Management	●		
	Telnet	●		
	CLI (Command Line Interface)	●		
	SNMP	v1, v2c		
System Logging	Local/Remote Syslog			
Email Alerts	●			
Hardware	Power Supply	PoE or External 12VDC / 1.5A Power Supply	PoE or External 12VDC / 1A Power Supply	24V Passive PoE Power Supply
	Max. Power Consumption	9.6 watts	4.4 watts	5.3watts
	Console Port	RJ45 * 1		
	Physical Security Lock	Kensington Lock Slot		
	Button	Reset Button, Power On/Off Button		
	Watch Dog	●	●	●
	Certification	CE, FCC, RoHS		
	Mounting	Ceiling /Wall mounting (Kits included)		
	Dimensions (W x D x H)	7.1 x 7.1 x 1.9in. (180 x 180 x 47.5mm)		
	System Requirements	Microsoft Windows XP, Vista, Windows 7, Windows 8		
Environment	Operating Temperature: 0°C~40°C (32°F~104°F), Storage Temperature: -40°C~70°C (-40°F~158°F), Operating Humidity: 10%~90% non-condensing, Storage Humidity: 5%~90% non-condensing			

Outdoor APs




Overview

TP-LINK's Outdoor Access Points are dedicated to WISP CPE solution and long distance wireless network solutions. They integrate the functions of a wireless access point, WISP Client, high gain antenna and weatherproof enclosure. They feature high gain antenna, high output power and high RX sensitivity that can significantly extend the transmission range to deliver a more stable wireless connection.



5GHz 150Mbps Outdoor Wireless Access Point
TL-WA7510N

- Wireless N speed up to 150Mbps
- 15dBi dual-polarized antenna can boost your signal
- Up to 500mw power for longer distance transmission
- Provides an external RP-SMA connector for higher gain antenna upgrade
- Supports Passive Power over Ethernet capability for flexible performance






2.4GHz 150Mbps Outdoor Wireless Access Point
TL-WA7210N

- Wireless speed up to 150Mbps
- 12dBi dual-polarized high gain antenna
- Up to 500mw power for longer distance transmission
- Provides an external RP-SMA connector for higher gain antenna upgrade
- Supports Passive Power over Ethernet capability for flexible performance

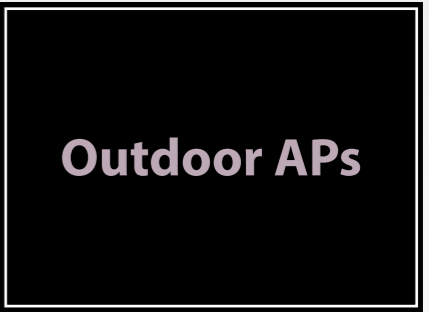


2.4GHz High Power Wireless Outdoor CPE
TL-WA5210G

- Wireless speed up to 54Mbps
- 12dBi dual-polarized high gain antenna
- Up to 500mw power for longer distance transmission
- Provides an external RP-SMA connector for higher gain antenna upgrade
- Supports Passive Power over Ethernet capability for flexible performance


	150Mbps Wireless N		54Mbps Wireless G
			
Model	TL-WA7510N	TL-WA7210N	TL-WA5210G
Description	5GHz 150Mbps Outdoor Wireless Access Point	2.4GHz 150Mbps Outdoor Wireless Access Point	2.4GHz High Power Wireless Outdoor CPE
Processor Specs	Atheros MIPS 24Kc, 400 MHz	Atheros MIPS 24Kc, 400 MHz	Atheros MIPS 4Kc, 180MHz
Memory Information	32MB DDR1, 4MB Flash	32MB DDR1, 4MB Flash	16MB DDR1, 4MB Flash
Compatibility	802.11a/n	802.11b/g/n	802.11 b/g
Antenna	15dBi	12dBi	12dBi
Antenna Beamwidth	Horizontal: 60° Vertical: 14°	Horizontal: 60° Vertical: 30°	Horizontal: 60° Vertical: 30°
Transmission Power	27dBm	27dBm	27dBm
Ethernet Ports	1 10/100Mbps Ethernet Port		
External Antenna Interface	1 RP-SMA Connector		
Grounding Protection Terminal	●		
Passive Supply Method	12V Power Adapter + Passive PoE Injector		
Weather Proof Enclosure	●		
ESD Protection	15KV		
Lightning Protection	4KV		
Operation Modes	AP / Client / Bridge / Repeater/ AP Router / AP Client Router Mode (WISP Client)		
Utilities	Antenna Adjustment; Distance Adjustment Ping Watch Dog; Throughput Monitor Wireless Speed Monitor		
Security	WEP, WPA/WPA2, WPA-PSK/WPA2-PSK		
Certifications	CE, FCC, RoHS		
Dimensions (W x D x H)	250 x 85 x 60.5mm	265 x 120 x 83mm	265 x 120 x 83mm
Environment	Operating Temperature: -30°C~70°C (-22°F~158°F); Storage Temperature: -40°C~70°C (-40°F~158°F)		
Package Contents	Outdoor Access Point 12V/1A DC Power Adapter Passive PoE Injector Pole Mounting Kit CD, Quick Installation Guide, Ethernet Cable		

PHAROS series Outdoor APs




Overview

PHAROS is TP-LINK's next generation product series dedicated to high performance solutions for outdoor wireless networking applications. It includes a variety of CPE and Basestation devices, carrier class antennas, and a centralized management application, which are flexible and ideal for point-to-point, point-to-multipoint and outdoor Wi-Fi coverage applications. Professional performance, coupled with user-friendly design, makes TP-LINK's Pharos series an ideal choice for both businesses and home users.




5/2.4GHz 300Mbps 13/9dBi Outdoor CPE
CPE510/CPE210

- Selectable bandwidth of 5/10/20/40MHz
- Adjustable transmission power from 0 to 27dBm/500mw
- Built-in 13/9dBi 2x2 dual-polarized directional MIMO antenna
- Dual 10/100Mbps Ethernet Ports




5/2.4GHz 300Mbps 16/12dBi Outdoor CPE
CPE520/CPE220

- Selectable bandwidth of 5/10/20/40MHz
- Adjustable transmission power from 0 to 30dBm/1000mw
- Built-in 16/12dBi 2x2 dual-polarized directional MIMO antenna
- Dual 10/100Mbps Ethernet Ports



5/2.4GHz 300Mbps Outdoor BaseStation
BS510/BS210

- Selectable bandwidth of 5/10/20/40MHz
- Adjustable transmission power from 0 to 30dBm/1000mw
- 2 RP-SMA connectors for external MIMO antenna
- 1 Gigabit Ethernet Port for passive PoE and 1 10/100Mbps Ethernet port for extended application



2.4GHz 300Mbps Outdoor Access Point
OAP210

- Selectable bandwidth of 5/10/20/40MHz
- Adjustable transmission power from 0 to 30dBm/1000mw
- 2 external 5 dBi waterproof antennas
- 1 Gigabit Ethernet Port for passive PoE and 1 10/100Mbps Ethernet port for extended application

Features

Pharos MAXtream — TP-LINK's TDMA Technology

- Eliminates hidden node collisions & improves channel efficiency
- Lower latency, higher throughput, larger network capacity & more stability

Pharos OS — Web-based management platform

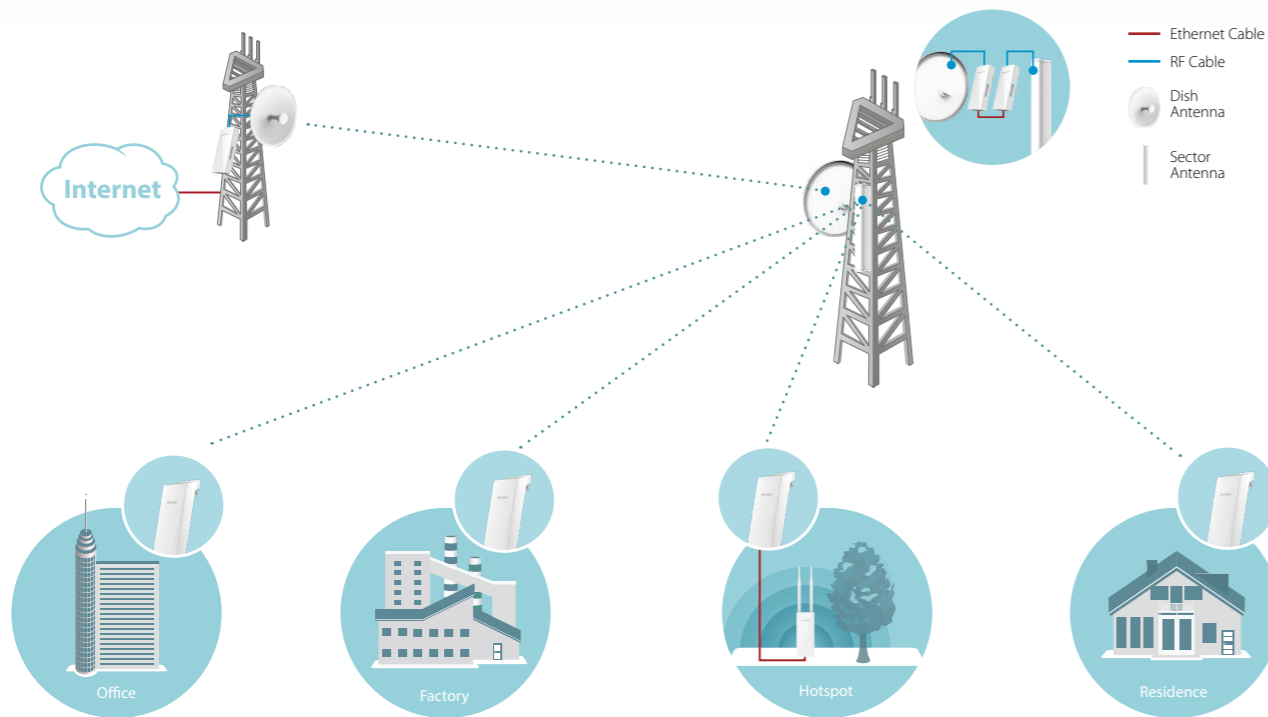
- Optimized for outdoor applications with high performance
- User-friendly interface
- Versatile configurations for professionals
- Powerful system tools integrated

Pharos Control — Centralized Network Management Application

- Device discovery & monitoring
- Firmware upgrade & management
- Scheduled tasks for operations & maintenance
- Event notification via E-mail

Pharos series Outdoor APs

	300Mbps Wireless N					
	Base Station		CPE			
Model	BS510	BS210/OAP210	CPE510	CPE210	CPE520	CPE220
Description	5GHz 300Mbps Outdoor BaseStation	2.4GHz 300Mbps Outdoor BaseStation	5GHz 300Mbps 13dBi Outdoor CPE	2.4GHz 300Mbps 9dBi Outdoor CPE	5GHz 300Mbps 16dBi Outdoor CPE	2.4GHz 300Mbps 12dBi Outdoor CPE
Processor Specs	Atheros MIPS 74Kc, 560MHz					
Memory Information	64MB DDR2, 8MB Flash (Industrial-grade)					
Compatibility	802.11a/n	802.11 b/g/n	802.11a/n	802.11 b/g/n	802.11a/n	802.11 b/g/n
Fruquency	5.15~5.85GHz	2.4~2.483GHz	5.15~5.85GHz	2.4~2.483GHz	5.15~5.85GHz	2.4~2.483GHz
Antenna	-	-5dBi	13dBi	9dBi	16dBi	12dBi
External Antenna Interface	2 RP-SMA connectors for MIMO antenna		-			
Transmission Power	30dBm		27dBm		30dBm	
Weatherproof Enclosure	●					
ESD Protection	15KV					
Lightning Protection	6KV					
MIMO	●					
Dual Ethernet Ports	1 Gigabit + 1 10/100Mbps		2 10/100Mbps			
Grounding Protection Terminal	●					
Power Supply Method	24V Passive PoE Adapter					
Operation Modes	AP / Client / Bridge / Repeater / AP Client Router Mode (WISP Client)					
Advanced Functions	MAXtream TDMA Technology (Time Division Multiple Access)					
Remote Management	Central Network Management Applications; Web-based GUI management; SNMP v2c					
Utilities	Spectrum Analyzer; Wireless Statistics; Antenna Adjustment; Distance Adjustment; Ping Watch Dog; Throughput Monitor; Wireless Speed Monitor					
Security	WEP, WPA/WPA2, WPA-PSK/WPA2-PSK					
Certifications	CE, FCC, RoHS, IPX5					
Dimensions (W x D x H)	197.8x 75.1x 40.9 mm		224.3x 79 x 60.3 mm		275.8 x 79 x 60.3 mm	
Environment	Operating Temperature: -30°C~70°C (-22°F~158°F); Storage Temperature: -40°C~70°C (-40°F~158°F) Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing					
Package Contents	Outdoor CPE/BaseStation, 24V/1A Passive PoE Adapter, Pole Mounting Straps, Installation Guide					



Antennas

Antennas

Product Picture								
Model	TL-ANT2409A	TL-ANT2409B	TL-ANT2414A	TL-ANT2414B	TL-ANT2412D / TL-ANT2415D	TL-ANT2424B	TL-ANT5823B	TL-ANT5830B
Frequency	2.4GHz	2.4GHz	2.4GHz	2.4GHz	2.4GHz	2.4GHz	5.15~5.85GHz	5.15~5.85GHz
Gain	9dBi	9dBi	14dBi	14dBi	12dBi/15dBi	24dBi	23dBi	30dBi
Type	Directional	Directional	Directional	Directional	Omnidirectional	Directional	Directional	Directional
VSWR (MAX.)	1.92:1	1.92:1	1.92:1	1.92:1	1.92:1	1.5:1	1.5:1	1.8:1
HPBW/H (°)	60	60	30	30	360	14	12	6
HPBW/V (°)	76	76	30	30	12/9	10	12	4
Polarization	Linear ; Vertical	Linear ; Vertical	Linear ; Vertical	Linear ; Vertical	Linear ; Vertical	Linear ; Vertical	Vertical or Horizontal	Vertical or Horizontal
Connector Type	RP-SMA Connector (Female)	N Female (Jack)	RP-SMA Connector (Female)	N Female (Jack)	N Female (Jack)	N Female (Jack)	N Female (Jack)	N Female (Jack)
Cable Material	CFD-200	CFD-200	CFD-200	CFD-200	N/A	N/A	N/A	N/A
Cable Length	100cm	100cm	100cm	100cm	N/A	30cm	30cm	30cm
Mounting	Pole Mount / Wall Mount	Pole Mount / Wall Mount	Pole Mount / Wall Mount	Pole Mount / Wall Mount	Pole Mount / Wall Mount	Pole Mount	Pole Mount	Pole Mount
Application	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Optional Accessory	TL-ANT24EC3S TL-ANT24EC5S	TL-ANT24EC6N TL-ANT24EC12N TL-ANT24SP TL-ANT24PT TL-ANT24PT3	TL-ANT24EC3S TL-ANT24EC5S TL-ANT24PT3	TL-ANT24EC6N TL-ANT24EC12N TL-ANT24SP TL-ANT24PT TL-ANT24PT3	TL-ANT24EC6N TL-ANT24EC12N TL-ANT24SP TL-ANT24PT TL-ANT24PT3	TL-ANT24EC6N TL-ANT24EC12N TL-ANT24SP TL-ANT24PT TL-ANT24PT3	TL-ANT200PT	TL-ANT200PT

Antenna Accessories

Product Picture								
Model	TL-ANT24EC3S	TL-ANT24EC5S	TL-ANT24EC6N	TL-ANT24EC12N	TL-ANT24PT	TL-ANT24PT3	TL-ANT24SP	TL-ANT200PT
Product Description	Extension Cable	Extension Cable	Extension Cable	Extension Cable	Pigtail Cable	Pigtail Cable	Surge Protector	Pigtail Cable
Frequency	2.4GHz	2.4GHz	2.4GHz	2.4GHz	2.4GHz	2.4GHz	2.4GHz	2.4GHz & 5GHz
Connector Type	RP-SMA Male to Female	RP-SMA Male to Female	N Male to Female	N Male to Female	RP-SMA Female to N Male	RP-SMA Female to N Male	N Male to Female	RP-SMA Female to N Male
Cable Material	CFD-200	CFD-200	KMS-400	KMS-400	CFD-200	CFD-200	N/A	LMR-200
Cable Length	3m	5m	6m	12m	0.5m	3m	N/A	0.5m

VPN Routers

SafeStream Gigabit VPN Routers

Overview

Keeping a network safe from attacks and unauthorized access is the key to success of any business, now more than ever before. TP-LINK's SafeStream Series VPN Routers provide an ideal secure VPN solution to protect your network against attacks and unauthorized access. Among them, TL-ER6120 and TL-ER6020 are the ideal choice for small and medium business, hotels and communities with large volumes of users demanding an efficient and highly secure VPN network. TL-ER604W create exceptional wireless performance with up to 300Mbps wireless speed, making it an ideal choice for remote offices/small business with medium volumes of users demanding a flexible and highly secure VPN network.



SafeStream Gigabit Dual-WAN VPN Router

TL-ER6120

- 2 Gigabit WAN ports, 2 Gigabit LAN ports, 1 Gigabit LAN/DMZ port, 1 console port
- Supports up to 100 IPsec, 32 PPTP and 32 L2TP VPN Tunnels
- Supports IM/P2P Blocking for various applications
- Professional 4KV lightning protection keeps your investments as safe as possible



SafeStream Gigabit Dual-WAN VPN Router

TL-ER6020

- 2 Gigabit WAN ports, 2 Gigabit LAN ports, 1 Gigabit LAN/DMZ port, 1 console port
- Supports up to 50 IPsec, 16 PPTP and 16 L2TP VPN Tunnels
- Supports IM/P2P Blocking for various applications
- Professional 4KV lightning protection keeps your investments as safe as possible



SafeStream Wireless N Gigabit Broadband VPN Router

TL-ER604W

- 1 Gigabit WAN port, 3 Gigabit LAN ports, 1 Gigabit WAN/LAN port
- IEEE 802.11b/g/n, 2 detachable 5 dBi antenna, 300Mbps wireless speed
- Supports up to 30 IPsec, 16 PPTP and 16 L2TP VPN Tunnels
- Supports IM/P2P Blocking for various applications
- Professional 4KV lightning protection keeps your investments as safe as possible

Features

VPN Features

- VPN Protocol: IPsec, PPTP, L2TP, L2TP over IPsec
- DES, 3DES, AES128, AES192, AES256 Encryption
- MD5, SHA1 Authentication

Security

- IM/P2P Application Blocking
- URL/Keywords Filtering
- Web Content Filtering (Java, ActiveX, Cookies)
- IP-MAC Binding
- DoS/DDoS Defense

Networking

- Static Routing
- RIP V1/V2
- Intelligent Load Balance
- PPPoE Server, E-Bulletin
- Port VLAN, Port Mirroring
- SNMP V1/V2C

Bandwidth Management




- IP-based Bandwidth Control
- Guarantee/Limited Bandwidth Management
- Port-based Rate Limit
- IP-based Session Limit

Wireless Features*

- IEEE 802.11 b/g/n
- 2 Detachable 5dBi antennas
- WEP, WPA/WPA2, WPA-PSK/WPA2-PSK Encryption
- WDS, Multi-SSID, Guest Network

* Only for TL-ER604W.

Routers VPN

Product Picture				
Model	TL-ER6120	TL-ER6020	TL-ER604W	
Product Description	Gigabit Dual-WAN VPN Router	Gigabit Dual-WAN VPN Router	Wireless N Gigabit Broadband VPN Router	
Hardware	Antenna	-		
	Interface	2 Gigabit WAN Ports 2 Gigabit LAN Ports 1 Gigabit LAN/DMZ Port 1 Console Port		
	Power Supply	100-240VAC, 50/60Hz		
	Certifications	CE, FCC		
	Dimensions (W x D x H)	17.3 x 8.7 x 1.7in. (440 x 220 x 44mm)	11.6 x 7.1 x 1.7in. (294 x 180 x 44mm)	8.2 x 4.9 x 1.0in. (209 x 126 x 26mm)
Performance	Environment	Operating Temperature: 0°C~40°C(32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F) Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing		
	Concurrent Sessions	60,000	30,000	10,000
	NAT Throughput	350Mbps	180Mbps	160Mbps
	IPsec VPN Throughput	130Mbps	80Mbps	38Mbps
Network	WAN Connection Type	Dynamic/Static IP, PPPoE, PPTP, L2TP, Dual Access, BigPond		
	Rate Limit	●		
	Port Mirror	●		
	Port Forwarding	Virtual Server, Port Triggering, DMZ		
	UPnP	●		
	Port VLAN	●		
	SNMP	V1/V2C		
Wireless	Standard	-	IEEE 802.11 b/g/n	
	Encryption	-	WEP, WPA/WPA2, WPA-PSK/WPA2-PSK	
	Multi-SSID	-	●	
	Guest Network	-	●	
IPsec VPN	WDS	-	●	
	IPsec VPN Tunnel	100	50	30
	Authentication	MD5/SHA1		
	Encryption	DES, 3DES, AES128, AES192, AES256		
	IPsec NAT Traversal (NAT-T)	●		
PPTP VPN	Dead Peer Detection (DPD)	●		
	Perfect Forward Secrecy (PFS)	DH1/DH2/DH5		
	PPTP VPN Tunnels	32	16	16
	PPTP VPN Server	●		
L2TP VPN	PPTP VPN Client	●		
	PPTP With MPPE Encryption	●		
	L2TP VPN Tunnels	32	16	16
Security	L2TP VPN Server	●		
	L2TP VPN Client	●		
	L2TP Over IPsec	●		
	Access Control List	●		
	URL/Keyword Filter	●		
	Domain Filter	●		
	DoS Defense	●		
	ARP Inspection	●		
	MAC Filter	●		
	SPI Firewall	●		
Load Balance	Line Backup	●		
	Online Detection	●		
	Smart Load Balance	●		
	Policy Routing	●		
NAT	Protocol Binding	●		
	One-to-One NAT	●		
Routing	Multiple-nets NAT	●		
	Static Routing	●		
QoS	Dynamic Routing	RIP V1/V2		
	Guarantee Max & Min Bandwidth	●		
	Bandwidth Control By IP/Port	●		
IM/P2P Blocking	Session Limit By IP	●		
	IM Blocking/P2P Blocking	●		
Applications	Proxy Blocking/Protocol Blocking	●		
	PPPoE Server	●		
	E-Bulletin	●		

VPN Routers

SafeStream Gigabit VPN Routers

Overview

Keeping a network safe from attacks and unauthorized access is the key to success of any business, now more than ever before. TP-LINK's SafeStream Series VPN Routers provide an ideal secure VPN solution to protect your network against attacks and unauthorized access. Among them, TL-R600VPN is the ideal choice for chain stores/remote offices with small volumes of users demanding an efficient and highly secure VPN network.




SafeStream Gigabit Broadband VPN Router

TL-R600VPN

- 1 Gigabit WAN port, 4 Gigabit LAN ports
- Supports up to 20 IPsec and 16 PPTP VPN Tunnels
- SPI firewall protects your network from Internet attacks
- Professional 4KV lightning protection keeps your investments as safe as possible

Features

- VPN Protocol: IPsec, PPTP
- VPN Pass-through
- DHCP Client/Server
- Static Routing
- IP-based Bandwidth Control
- SPI Firewall
- IP/MAC/Domain name filtering
- Attack Prevention
- SNMP V1/V2C

Product Picture		
Model		TL-R600VPN
Product Description		Gigabit Broadband VPN Router
Hardware	Interface	1 Gigabit WAN Port 4 Gigabit LAN Ports
	VPN Encryption Accelerator	●
	Power Supply	100-240VAC, 50/60Hz
	Certifications	CE, FCC
	Dimensions (W x D x H)	8.2 x 4.9 x 1.0in. (209 x 126 x 26mm)
Environment	Operating Temperature: 0°C~40°C (32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F); Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing	
Performance	Concurrent Sessions	10,000
	NAT Throughput	120Mbps
Network	IPsec VPN Throughput	20Mbps
	VPN Routers	Dynamic/Static IP, PPPoE, PPTP, L2TP, Dual Access, BigPond
	Port Forwarding	Virtual Server, Port Triggering, DMZ
IPsec VPN	UPnP	●
	SNMP	V1/V2C
	IPsec VPN Tunnel	20
	Authentication	MD5/SHA1
	Encryption	DES, 3DES, AES128, AES192, AES256
PPTP VPN	IPsec NAT Traversal (NAT-T)	●
	Dead Peer Detection (DPD)	●
	Perfect Forward Secrecy (PFS)	DH1/DH2/DH5
	PPTP VPN Tunnels	16
Security	PPTP VPN Server	●
	PPTP VPN Client	-
	PPTP With MPPE Encryption	●
	Access Control List	●
	Domain Filter	●
	DoS Defense	●
Routing	ARP Inspection	●
	MAC Filter	●
	SPI Firewall	●
QoS	Static Routing	●
	Guarantee Max & Min Bandwidth	●
QoS	Bandwidth Control By IP/Port	●

Load Balance Broadband Routers

Gigabit Load Balance Broadband Router

Overview

A new gigabit load balance broadband router from TP-LINK, TL-ER5120 possesses excellent data processing capabilities and multiple powerful functions including Load Balance, Access Control, IM/P2P Blocking, DoS Defense, Bandwidth Control, Session Limit and PPPoE Server, which meet the needs of small and medium enterprises, hotels and communities with large volumes of users.



Gigabit Load Balance Broadband Router

TL-ER5120

- 1 fixed Gigabit WAN port, 1 10/100/1000Mbps LAN/DMZ port and 3 freely interchangeable Gigabit WAN/LAN ports
- Load Balancing, automatically selects the best route according to the load
- Integrated PPPoE Server to provide ISP Services
- Professional 4KV lightning protection keeps your investments as safe as possible

Features

Networking


- Static Routing
- RIP V1/V2
- Intelligent Load Balance
- PPPoE Server, E-Bulletin
- Port VLAN, Port Mirror
- SNMP V1/V2C

Security

- IM/P2P Application Blocking
- URL/Keywords Filtering
- Web Content Filtering (Java, ActiveX, Cookies)
- IP-MAC Binding
- DoS/DDoS Defense

Bandwidth Management

- IP-based Bandwidth Control
- Guarantee/Limited Bandwidth
- Management
- Port-based Rate Limit
- IP-based Session Limit

Product Picture		
Model		TL-ER5120
Product Description		Gigabit Load Balance Broadband Router
Hardware	Interface	1 Gigabit WAN Port, 3 Gigabit WAN/LAN Ports, 1 Gigabit LAN/DMZ Port
	Power Supply	100-240VAC, 50/60Hz
	Certifications	CE, FCC
	Dimensions (W x D x H)	17.3 x 8.7 x 1.7in. (440 x 220 x 44 mm)
Environment	Operating Temperature: 0°C~40°C (32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F); Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing	
Performance	Cocurrent Sessions	120,000
	NAT Throughput	350Mbps
Network	WAN Connection Type	Dynamic/Static IP, PPPoE, PPTP, L2TP, Dual Access, BigPond
	Rate Limit	●
	Port Mirroring	●
	Port Forwarding	Virtual Server, DMZ, Port Triggering
	UPnP	●
	Port VLAN	●
Security	SNMP	V1/V2C
	Access Control	●
	URL/Keyword Filter	●
	Domain Filter	●
	DoS Defense	●
Load Balance	ARP Inspection	●
	MAC Filter	●
	Line Backup	●
	Online Detection	●
NAT	Smart Load Balance	●
	Policy Routing	●
	Protocol Binding	●
Routing	One-to-One NAT	●
	Multiple-nets NAT	●
QoS	Static Routing	●
	Dynamic Routing	RIP V1/V2
	Guarantee Max & Min Bandwidth	●
IM/P2P Blocking	Bandwidth Control By IP/Port	●
	Session Limit By IP	●
	IM Blocking	●
Applications	P2P Blocking	●
	Proxy Blocking	●
Applications	Protocol Blocking	●
	PPPoE Server	●
Applications	E-Bulletin	●

Fast Ethernet Load Balance Broadband Routers

Load Balance Broadband Routers

Overview

TP-LINK's load balance broadband routers provide cost-effective networks specifically designed for small offices and Internet cafes applications. With built-in firewall features, powerful security policies, this series of routers effectively protect network against attacks. Moreover, these devices are equipped with 4KV lightning protection to keep your investments safe from worst of Mother Nature's fury.



Load Balance Broadband Router TL-R480T+

- 1 fixed 10/100Mbps WAN port, 1 fixed 10/100Mbps LAN port and 3 freely interchangeable 10/100Mbps WAN/LAN ports
- Load Balancing, automatically selects the best route according to the load
- Professional 4KV lightning protection keeps your investments as safe as possible



Load Balance Broadband Router TL-R470T+

- 1 fixed 10/100Mbps WAN port, 1 fixed 10/100Mbps LAN port and 3 freely interchangeable 10/100Mbps WAN/LAN ports
- Load Balancing, automatically selects the best route according to the load
- Professional 4KV lightning protection keeps your investments as safe as possible

Features

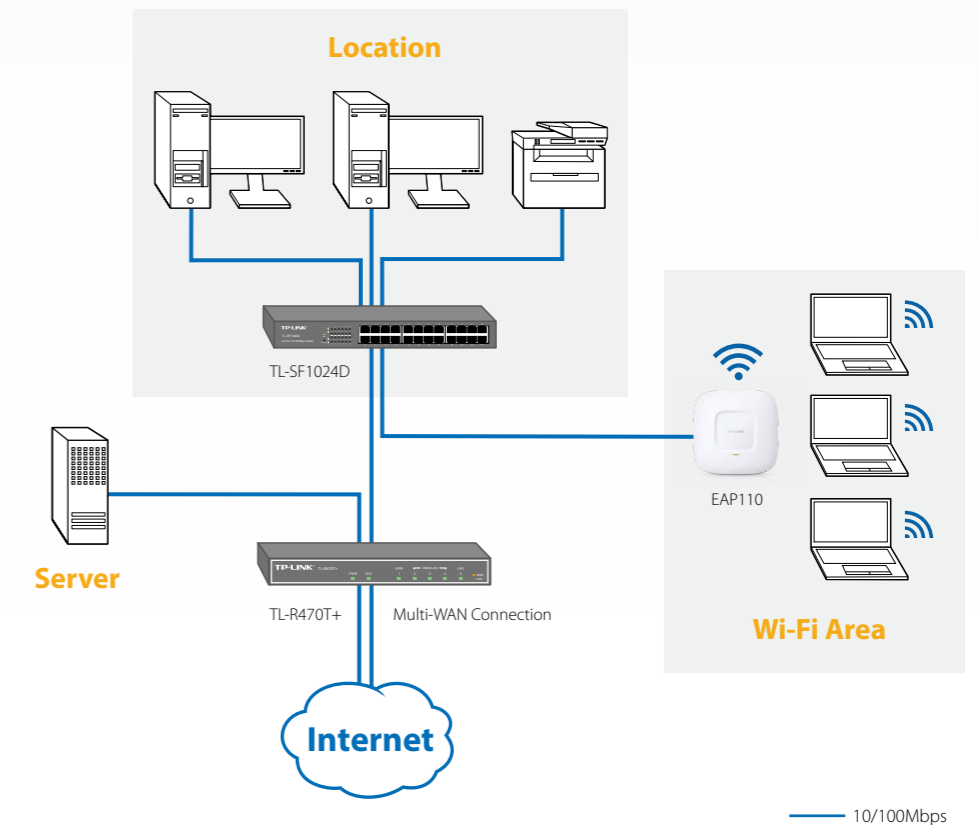
- Smart Load Balancing Policies
- IP-based Bandwidth Control
- IP-based Session Limit
- Port-based Rate Limit
- IP/MAC Binding
- Domain Name Filtering
- IP/MAC Filtering
- Virtual Server, Port Triggering, and DMZ Host
- DDNS, UPnP, Static Routing
- VPN pass-through
- Web Management
- SNMP V1/V2C

Product Picture			
Model		TL-R470T+	TL-R480T+
Product Description		Load Balance Broadband Router	Load Balance Broadband Router
Hardware	Interface	1 10/100Mbps WAN Port, 3 10/100Mbps WAN/LAN Ports, 1 10/100Mbps LAN Port	
	Console Port	-	1
	Auto Negotiation / Auto MDI/MDIX	●	
	Power Supply	100-240VAC, 50/60Hz	
	Certifications	CE, FCC	
Dimensions (W x D x H)		8.2 x 4.9 x 1.0 in. (209 x 126 x 26mm)	11.6 x 7.1 x 1.7 in. (294 x 180 x 44mm)
	Environment	Operating Temperature: 0oC~40oC (32oF~104oF); Storage Temperature: -40oC~70oC (-40oF~158°F); Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing	
Performance	Cocurrent Sessions	10,000	30,000
	NAT Throughput	100Mbps	
Network	WAN Connection Type	PPPoE, Dynamic, Static IP, PPTP, L2TP, BigPond Cable	
	Port Forwarding	Virtual server, Port Triggering, DMZ host	
	UPnP	●	
	Rate Limit	●	
	Port VLAN	●	
	Port Mirroring	●	
Security	SNMP	V1/V2C	
	Access Control	●	
	URL/Keyword Filter	●	
	Domain Filter	●	
	DoS Defense	●	
	ARP Inspection	●	
	MAC Filter	●	
Load Balance	Line Backup	●	
	Online Detection	●	
	Smart Load Balance	●	
	Policy Routing	●	
NAT	Protocol Binding	●	
	One-to-One NAT	-	●
Routing	Multiple-nets NAT	-	●
	Static Routing	●	
QoS	Dynamic Routing	-	
	Guarantee Max & Min Bandwidth	●	
	Bandwidth Control By IP/Port	●	
IM/P2P Blocking	Session Limit By IP	●	
	IM Blocking	-	●
	P2P Blocking	-	●
	Proxy Blocking	-	●
Applications	Protocol Blocking	-	●
	PPPoE Server	●	
	E-Bulletin	●	

Network Solution for Home Office and Small Office

Overview

TP-LINK offers a comprehensive suite of end-to-end products that fit the specific needs of small offices and home offices. From unmanaged switches, wireless access points, and Load Balance Routers to Print Servers, TP-LINK provides cost-effective solutions for an array of small and home office needs.



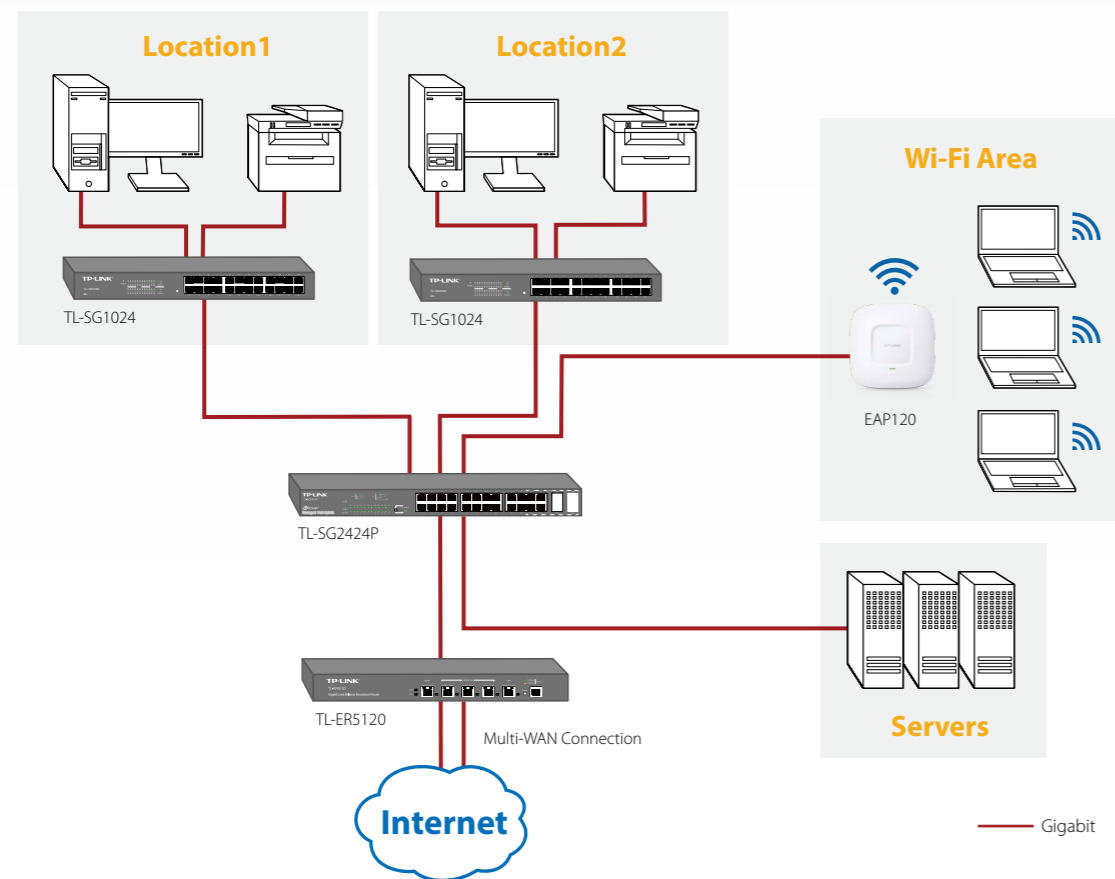
Features and Benefits

- Equipped with three dynamic WAN/LAN interchangeable ports, TL-R470T+ gives network administrators more control over bandwidth with smart load balancing
- Complete with NAT firewall, TL-R470T+ can protect your network from various types of intrusions and attacks
- TL-SF1024D provides powerful data transmission at a low cost
- EAP110 provide a flexible, easy-to-deploy, manageable and robust security wireless network solution
- Green technology makes your network more energy-efficient and eco-friendly
- Web GUI makes the network easy to configure and maintain

Network Solution for Small Business

Overview

In response to the networking needs of small business and in the interest of helping them increase business productivity and efficiency, TP-LINK's Load Balance Broadband Router and Smart Switches make up a small business network solution that delivers complete and intelligent services, enhancing information system resiliency and reducing operation and maintenance costs.



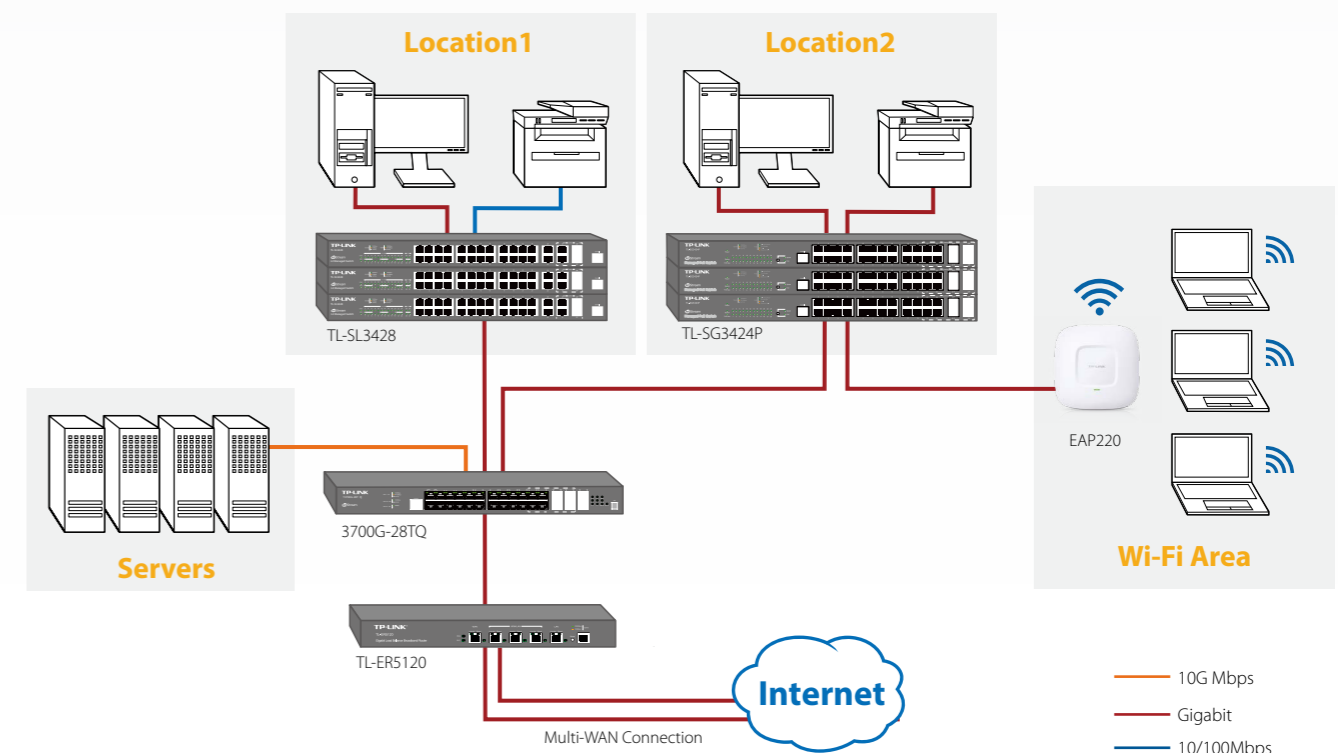
Features and Benefits

- Equipped with three dynamic WAN/LAN interchangeable ports, TL-ER5120 gives network administrators more control over bandwidth with smart load balancing
- Complete with NAT firewall and professional lightning protection, TL-ER5120 keeps your network safe and stable
- EAP120 provide a flexible, easy-to-deploy, manageable and robust security wireless network solution for small business
- TP-LINK's Smart switches provide comprehensive security features which include ACL and Port security
- All TP-LINK products provide comprehensive intelligent management tools, allowing network administrators to choose from a variety of management interfaces such as Web GUI, which make the network easy to configure and maintain

Network Solution for Medium Business

Overview

For a network that scales with a growing medium business, TP-LINK's medium business network solutions are perfect in terms of network design and management efficiency. Using an L3 Managed switch with 10G uplink ports at the core and access layer of the business network, TP-LINK products ensure end-to-end performance covering service prioritization for voice streaming and mission-critical applications, protected by network security from the edge to the core.



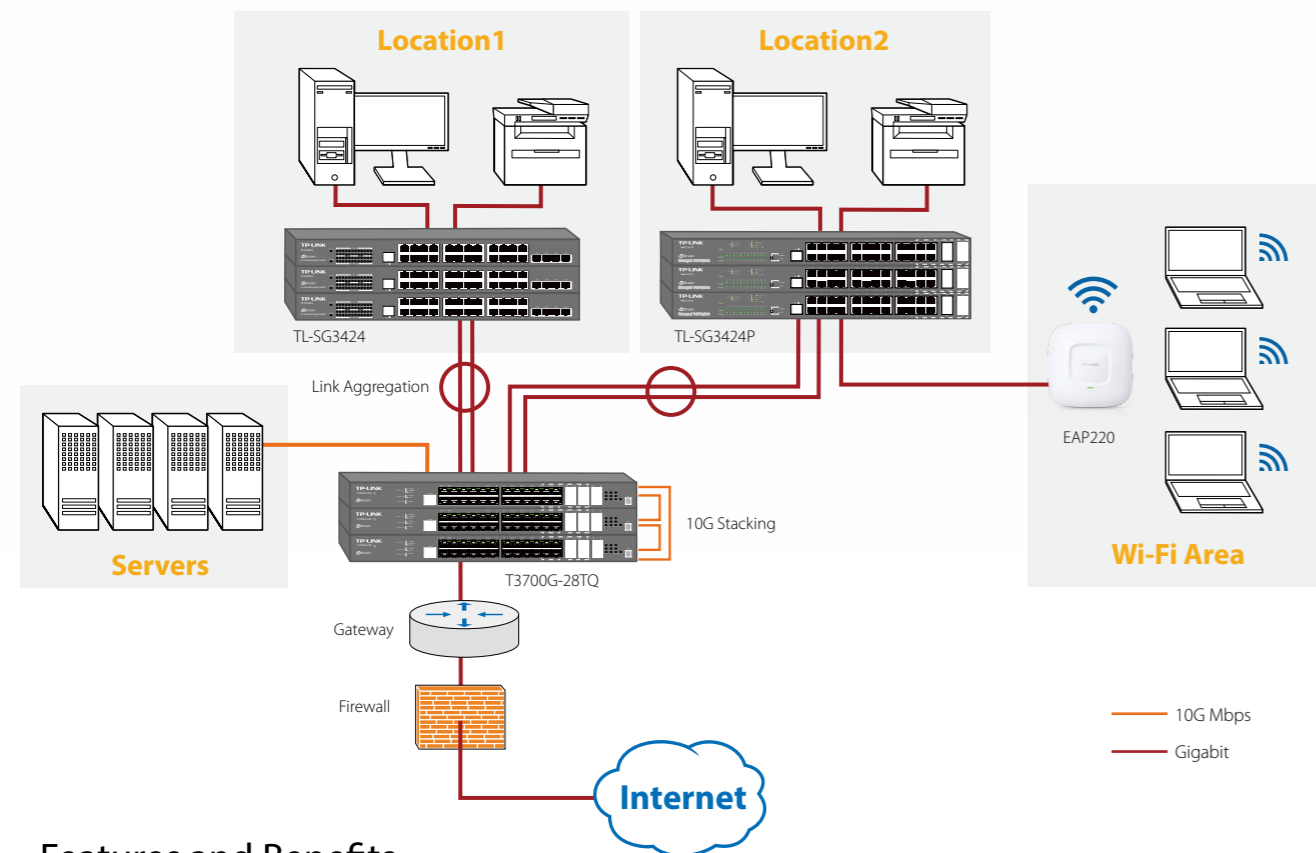
Features and Benefits

- Equipped with three dynamic WAN/LAN interchangeable ports, TL-ER5120 gives network administrators more control over bandwidth with smart load balancing
- Complete with abundant security features such as ARP inspection, DoS defense, URL/Keyword Domain Filter and Access Control, TL-ER5120 provides a safe environment for you network
- TL-ER5120 supports PPPoE Server for better management of the internal network, and deploys One-Click restriction of IM/P2P applications to easily manage staff online behavior
- T3700G-28TQ supports up to 4 10G uplink ports which can be connected to 10G-capable servers and storage devices, delivering a 10X increase in network performance and business efficiency.
- EAP220 provide a flexible, easy-to-deploy, manageable and robust security wireless network solution for medium business
- TP-LINK's L2 managed switches provide comprehensive security features, which include IEEE802.1X, IP + MAC + Port + VLAN binding, Port security and IP Source Guard
- All TP-LINK products provide comprehensive intelligent management tools, allowing network administrators to choose from a variety of management interfaces such as Web GUI and CLI, which make the network easy to configure and maintain

Network Solution for Enterprise

Overview

For an enterprise network which has higher requirements on resilience and robustness, TP-LINK's L3/L2 Managed Gigabit switch makes up a perfect solution that builds a highly accessible, scalable, and robust network. TP-LINK's L3 Managed switch T3700G-28TQ supports abundant Layer 3 routing protocols such as RIP and OSPF which are a critical part in the creation of fully resilient scalable networks. What's more, with physical stacking feature and optional redundant external power unit, T3700G-28TQ provides a robust network with efficient redundancy.



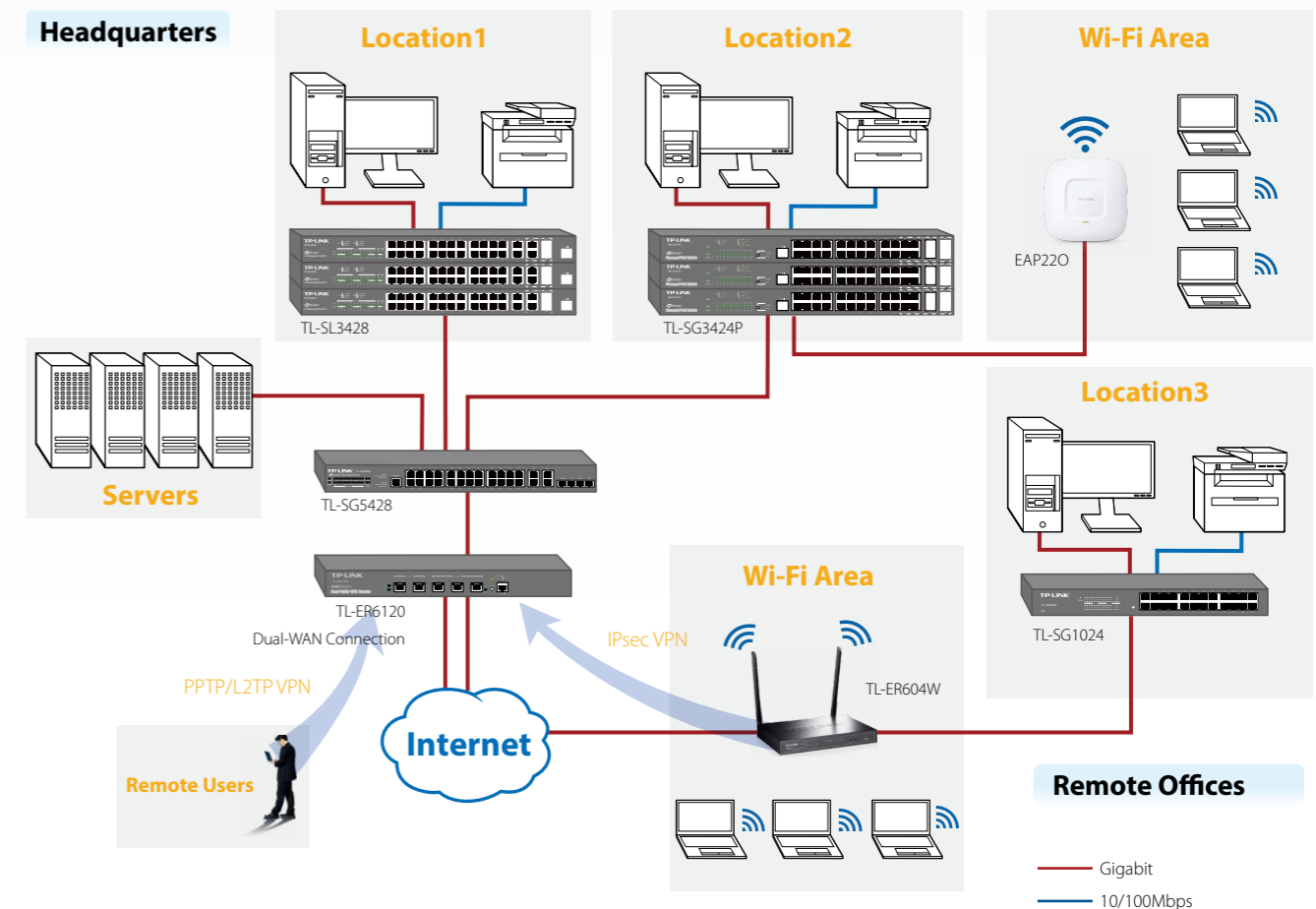
Features and Benefits

- Equipped with abundant Layer 3 routing protocols including RIP/OSPF/ECMP/VRRP, T3700G-28TQ supports to build a scalable network
- Complete with True Physical Stacking technology, T3700G-28TQ supports up to 8 units and 320Gbps backplane bandwidth for high scalability and efficient redundancy
- T3700G-28TQ supports up to 4 10 Gigabit Ethernet uplink ports, providing high-bandwidth applications for congestion relief and smooth data delivery
- T3700G-28TQ supports removable power unit and redundant power supply functionality which minimizes downtime
- TP-LINK's L2 managed switches provide comprehensive security features, which include IEEE802.1X, IP + MAC + Port + VLAN binding, Port security and IP Source Guard
- EAP220 provide a flexible, easy-to-deploy, manageable and robust security wireless network solution for medium business
- All TP-LINK products provide comprehensive intelligent management tools, allowing network administrators to choose from a variety of management interfaces such as Web GUI and CLI, which make the network easy to configure and maintain

Network Solution for VPN Business

Overview

TP-LINK provides cost-effective VPN solutions ideal for companies with multiple branch offices or a large number of remote users requiring access to network resources from headquarters. Combined with its VPN routers and L2 managed Switches providing comprehensive security features, TP-LINK is capable of customizing a secure and reliable solution for VPN business to maximize your networking investments.



Features and Benefits

- TL-ER6120 supports multiple VPN protocols including IPsec/PPTP/L2TP, giving users more flexibility when establishing their VPN
- TL-ER6120 supports up to 100 IPsec VPN tunnels, and offers 130Mbps VPN throughput with a hardware-based VPN engine
- TL-ER6120 supports PPPoE Server for improved management of the internal network and deploys One-Click restriction of IM/P2P applications for simple management of staff behavior online
- EAP220 provide a flexible, easy-to-deploy, manageable and robust security wireless network solution for medium business
- Complete with abundant security features such as IP + MAC + Port + VID binding, IP Source Guard, URL/Keyword Domain Filter and Access Control, TP-LINK routers and switches guarantee a safe networking ecosystem
- All TP-LINK products provide comprehensive intelligent management tools, allowing network administrators to choose from a variety of management interfaces such as Web GUI and CLI, which make the network easy to configure and maintain

TP-LINK Global Offices

Headquarters

TP-LINK Technologies CO., LTD.
Website: www.tp-link.com
E-mail: info@tp-link.com
Address: South Building, No.5 Keyuan Road, Central Zone, Science & Technology Park, Nanshan, Shenzhen, P. R. China
Postcode: 518057

Argentina

TP-LINK S.R.L.
Website: www.tp-link.com.ar
Tel: +54 11 43125176
E-mail: ventas.ar@tp-link.com
soporte.ar@tp-link.com (Technical Support)
Address: Av Leandro N. Alem 592, Piso:11, 1001-C.A.B.A.

Australia

TP-LINK Australia Pty Ltd.
Website: www.tp-link.com.au
E-mail: sales.anz@tp-link.com
Address: Unit4, 9-11 South Street, Rydalmere, NSW 2116. Australia

Brazil

TP-LINK TECNOLOGIA DO BRASIL LTDA.
Website: www.tp-link.com.br
Tel: +55 (11) 3028-6330
E-mail: vendas.br@tp-link.com
Address: Rua Cantagalo, 74 – cjto 701, Tatuapé - São Paulo-SP

Canada

TP-LINK CANADA INC
Website: www.tp-link.com/ca
Tel: 1-905-881-9469
E-mail: sales.ca@tp-link.com
Address: 50 East Beaver Creek Road, Unit 5, Richmond Hill, ON, Canada, L4B 1G6

Czech Republic

TP-LINK Czech s.r.o.
Website: www.tp-link.com/cz
Tel: +420 255 739 503
E-mail: info.cz@tp-link.com
Address: Plzeňská 155/113, Praha 5, 150 00

Colombia

TP-LINK Colombia Limitada
Website: www.tp-link.com/co
Tel: +57 (1)8773545
Email: sales.co@tp-link.com
Address: Autop. Medellín Km 1.5 Via Parque la Florida, Bod. 45 Parque Ind. Terrapuerto, Cota, Cund.

France

TP-LINK France SARL
Website: www.tp-link.fr
Tel: +33 139260290 (Reception)
E-mail: sales.fr@tp-link.com
Address: Bâtiment A / Equateur 5° Etage 16-18 avenue Morane Saulnier 78140 Vélizy-Villacoublay

Germany

TP-LINK Deutschland GmbH
Website: www.tp-link.com/de
Tel: +49 (0) 6122 53693 0 (Reception)
E-mail: sales.de@tp-link.com
Address: Robert-Bosch-Str. 9, 65719 Hofheim-Wallau, Hessen, Germany

Greece

TP-LINK Hellas Networks E.P.E.
Website: www.tp-link.com/gr
E-mail: sales.gr@tp-link.com
Address: 33, Nireos Street, 19009 Rafina, Greece

Hong Kong, China

TP-LINK International Limited
Website: www.tp-link.com
Tel: +852 37582481
E-mail: sales.in@tp-link.com, support.in@tp-link.com
Address: Suite 2005, Tower 1, The Gateway, Harbour City, 25 Canton Road, TST, Kowloon

India

TP-LINK INDIA PVT LTD
Website: www.tp-link.in
Tel: 18002094168 (Tollfree)
E-mail: sales.in@tp-link.com, support.in@tp-link.com
Address: 401, Peninsula heights, C.D. Barfiwala road, Juhu lane, Besides BMW showroom, Andheri (West), Mumbai- 400058.

TP-LINK TECHNOLOGIES CO., LTD.

E-Mail: info@tp-link.com
Homepage: www.tp-link.com

*Actual products may vary from image.

Indonesia

PT. TPLINK INDONESIA
Website: www.tp-link.co.id
Tel: +62 21 6386 1936
E-mail: sales.id@tp-link.com
Address: Gajah Mada Tower lantai 18 nomor 18A, Jalan Gajah Mada 19-26, Petojo Utara, Gambir, Jakarta Pusat, 10130

Italy

TP-LINK ITALIA SRL
Website: www.tp-link.it
Tel: +39 02 92392211
Tel: +39 02 92392211
E-mail: sales.it@tp-link.com
Address: Via Gobetti 2/A, 20063 Cernusco sul Naviglio(MI)

Kazakhstan

TP-LINK TECHNOLOGIES (HK) LIMITED Representative Office in the Republic of Kazakhstan
Website: www.tp-link.com/kz
Tel: +7 727 320 13 48
E-mail: sales.kz@tp-link.com
Address: Office 104, Dostyk 202, Business Center "Forum", 050051, Almaty, Republic of Kazakhstan

Korea

TP-LINK Korea Limited
Website: www.tp-link.co.kr
Tel: +82 02-719-1688
E-mail: sales.kr@tp-link.com
Address: 603 Totoovalley, 2-37 hangangro-2ga, Yongsan-gu, Seoul, Korea, 140-735

Malaysia

TP-LINK DISTRIBUTION MALAYSIA SDN BHD
Website: www.tp-link.com.my
Tel: +603-8964 1922
E-mail: sales.malaysia@tp-link.com
Address: No: 13A, Jalan Suria Park 1, Suria Park, Kawasan Perindustrian KG Baru Balakong, 56000 Cheras Selangor

Mexico

TP-LINK Technologies de México, S. de R.L. de C.V.
Website: www.tp-link.com/mx
Tel: +52 55 20620389/20620397/20620393 Y 20620193
E-mail: sales.mx@tp-link.com
Address: Goldsmith 53, Piso 1, Col. Polanco Chapultepec Del. Miguel Hidalgo, México, Distrito Federal C.P. 11560

Netherlands

TP-LINK Netherlands B.V.
E-mail: sales.nl@tp-link.com
Dutch Service: support.nl@tp-link.com
Tel: +31-(0)30-6036568
Dutch Service: +31-(0)30-6038735
Address: Archimedesbaan 18, 3439 ME Nieuwegein

Poland

TP-LINK POLSKA SP. Z O.O.
Website: www.tp-link.com/pl
Tel: +48 22 3606300
E-mail: sales.pl@tp-link.com
Address: ul. Ozarowska 40/42, Duchnice 05-850, Poland

Portugal

NWS. TP-LINK PORTUGAL, UNIPESSOAL, LDA
Website: www.tp-link.pt
E-mail: sales.pt@tp-link.com
Address: Avenida da Liberdade, n°129, 7°B, 1250-140 Lisboa, Portugal

Romania

TP-LINK ROMANIA S.R.L.
Website: www.tp-link.ro
Tel: +40 311 070 963
E-mail: sales.ro@tp-link.com, info.ro@tp-link.com
Address: Romania, Bucharest, 7a Olari street

Russia

TP-LINK LLC
Website: www.tp-link.com/ru
Tel: +7 (499) 754 55 66
E-mail: sales.ru@tp-link.com
Address: Building 1, 3-rd Krasnoselsky Lane 21, Moscow, 107140, Russian Federation

Singapore

TP-LINK TECHNOLOGIES (SG) PTE. LTD
Website: www.tp-link.sg
Tel: +65 9753 8388
Address: 20 Maxwell Road, #07-13/14 Maxwell House Singapore 069113

Spain

TP-LINK IBERIA, S.L.
Website: www.tp-link.es
Tel: +34 912 000 727 (reception)
Tel: +34 902 060 365 (technical hotline)
E-mail: sales.es@tp-link.com
Address: C/ Quintanavides 15, Bajo A, 28050 Madrid

Sweden

TP-LINK (Nordic) AB
Website: www.tp-link.se
E-mail: sales.se@tp-link.com
Address: Arstaangsvägen 21 C 117 43 Stockholm, Sweden.

Taiwan, China

TP-LINK TAIWAN CO., LTD.
Website: www.tp-link.tw
Tel: +886-2-2250-0397
E-Mail: sales.tw@tp-link.tw
Address: 13F, No.156, Section 1, Zhongshan Rd., Banciao District, New Taipei Country 220, Taiwan(R.O.C)

Thailand

TP-LINK ENTERPRISES (THAILAND) CO.,LTD.
Website: www.tp-link.co.th
E-mail: info.th@tp-link.com
Tel: +66 2 440 0763
Address: 77/159 Sinn Sathorn Tower, 36th Fl., krungthonburi Rd., klongtonnai, klongsan, Bangkok 10600 77/159

Turkey

TP-LINK Bilgi Teknolojileri Tic. Ltd. Şti.
Website: www.tp-link.com.tr
Tel: +90 216 548 11 32
E-mail: sales.tr@tp-link.com
Address: Şerifali Mevkii, Barbaros Cad. Söyleşi Sokak. Mayıs Plaza No:15/2 Kat: 3 Ümraniye- İstanbul – Türkiye

UAE

TP-LINK MIDDLE EAST FZE
Website: www.tp-link.ae
Tel: +971-4-3966356
E-mail: info.mea@tp-link.com, support.mea@tp-link.com
Address: Office 501, The Business Centre, Khalid Bin Al Waleed Road, P.O. Box 125857, Dubai, United Arab Emirates

UK

TP-LINK UK Limited
Website: uk.tp-link.com
Tel: +44(0)1183 271135
E-mail: sales.uk@tp-link.com
Address: Unit 2 & 3 Riverview, Cardiff Road, Reading, RG1 8EW

Ukraine

TP-LINK Ukraine LLC
Website: www.tp-link.ua
Tel: +38 044 590 51 13
E-mail: info.ua@tp-link.com
Address: Ukraine, 04053, Kiev, Bekhterevskiy lane, 4, Letter "V"

USA

TP-LINK USA CORPORATION
Website: www.tp-link.us
Tel: +1 626 333 0234
E-mail: sales.usa@tp-link.com
Address: 975 Overland Ct, San Dimas, CA 91773

Vietnam

CÔNG TY TNHH TP-LINK TECHNOLOGIES VIỆT NAM
Website: www.tp-link.vn
Tel: +84 8 62 615 072
E-mail: sales.vn@tp-link.com
Address: 131/A5 Nguyễn Khoái, P1, Q4, TP.HCM, Việt Nam

Specifications are subject to change without notice. TP-LINK is a registered trademark of TP-LINK TECHNOLOGIES CO., LTD. Other brands and product names are trademarks or registered trademarks of their respective holders. Copyright © 2014 TP-LINK TECHNOLOGIES CO., LTD. All rights reserved.