



## Overload Arrangement

TL-SG108PE has the priority function which will help protect the system when the system power is overloaded. If all PoE PDs power consumption is  $\geq 55W$ , a priority will be arranged among the PoE

## Port Priority Function

Priority (port 1>port 2>port 3>port 4): This function will help protect the system if the system power becomes overloaded. For example, Port 1, 2, and 4 are using 15.4w (maximum power per port is 15.4W), the system power is 46.2w in total (PoE max LED will be red if all PoE PDs power consumption  $\geq 55W$ ). To protect the system, this means Port 1, 2 will use 30w, and Port 3 will use 10w, and no power will be supplied to Port 4.

### 9 YWij Y'A UbU[ Ya Ybh

HLG; %\$, D9'c Yfg'bYrk cf\_a cb]rcfb[ Zcfi gYfg'hc'cVgYfj Y'fU WY\Uj ]cf"H\fc [ \ ]hg'k YV!VUgYX i gYf'j]bYfZUW UbX'a UbU[ Ya Ybhi h]mzh\Y HLG; %\$, D9'c Yfg'Uj Uf]YhmcZi gYZ `ZYUf fYgZ]bWi X]b[ bYrk cf\_a cb]rcfb[ zhfu Wdf]cf]hUhc bZUbX'Yb\UbW'X'E cG"K ]h'DcfhA ]ffc]b[ ž@cd'Dfyj Ybh]cb'UbX Cable Diagnostics features, TL-SG108PE can identify and even locate connection problems on your Vi g]bYgg'bYrk cf\_"A cfYcj YfZUXa ]b]ghfUhc fg'WUb'XYg] bUH'Y'Y'df]cf]mhcZ\Y'fU WUgYX'cb'Dcfh Priority, 802.1P Priority and DSCP Priority, to ensure that voice and video are always clear, smooth and lag-free. Additionally, to improve security and network performance, TL-SG108PE supports MTU J @5BždcfhVUgYX'J @5B'UbX', \$&%E !VUgYX'J @5B'Z bW]cbg"HLG; %\$, D9'jg'Ub'i d[ fUXY Zfca 'hY plug-and-play Unmanaged Switch, delivering great value while empowering your network and similarly delivering great value to the end user.

### 9Ugm'hc' l gY

TL-SG108PE is easy to use and manage. Auto MDI/MDI-X crossover on all ports eliminate the need for crossover cables or uplink ports. Auto-negotiation on each port senses the link speed of a network device (either 10, 100, or 1000 Mbps) and intelligently adjusts for compatibility and optimal dYfZfca UbW'"hg'Wca dUWig]h'Y'a U\_Yg]h]XYU'Zcf'XYg\_hcdg'k ]h'ja ]hYX'gdUW'"8nbUa ]W@98 "[ \hg provide real-time work status display and basic fault diagnosis.

## &lt;UfXk UfY: YUhi fYg/ DYfZcfa UbWY

Product Picture		
Model		TL-SG108PE
Physical Features	Interface	8 10/100/1000Mbps RJ45 Ports
	PoE Standard	802.3af
	PoE Ports	Port 1 ~ Port 4, up to 15.4W per port
	PoE Power Budget	55W
	External Power Supply	External Power Adapter(output: 48VDC/1.25A)
	Max Power Consumption	5.15W (220V# \$<n"bc 'PD connected) 65.18W (220V# \$<n"k jh ) ) K 'PD connected)
	Max Heat Dissipation	17.57 BTU/h (no PD connected) 222.39 BTU/h (with 55W PD connected)
	FUb'E i Ubhty	Fanless
	LED	Power, PoE Max, Speed/Link/Act, PoE Status (Port 1~Port 4)
	Certification	CE, FCC
	Dimensions	6.2 * 4.0 * 1.0 in. (158 * 101 * 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%RH, non-condensing Storage Humidity: 5%~95%RH, non-condensing
Performance	Switching Capacity	16Gbps
	Forwarding Rate	11.9Mpps
	MAC Address Table	4K
	Packet Buffer Memory	1.5Mb
	Jumbo Frame	15KB

## GcZk UfY : YUhi fYg

L2 Switching Features	<ul style="list-style-type: none"> <li>• IGMP Snooping <ul style="list-style-type: none"> <li>- IGMP Snooping</li> <li>- Supports 128 Groups</li> </ul> </li> <li>• Link Aggregation <ul style="list-style-type: none"> <li>- Supports static link aggregation</li> <li>- Supports up to 4 aggregation groups, containing 4 ports per group</li> </ul> </li> <li>• Port Mirroring <ul style="list-style-type: none"> <li>- One to One</li> <li>- Many to One</li> </ul> </li> <li>• Cable Test</li> <li>• Loop Prevention</li> </ul>
VLAN	<ul style="list-style-type: none"> <li>• Supports up to 32 VLANs (out of 4K VLAN IDs)</li> <li>• MTU/Port/802.1Q VLAN</li> </ul>
Quality of Service (QoS)	<ul style="list-style-type: none"> <li>• Support Port-based/802.1p/DSCP priority</li> <li>• Support 4 priority queues</li> <li>• Rate Limit</li> <li>• Storm Control</li> </ul>
Management	<ul style="list-style-type: none"> <li>• Web-based Graphic User Interface (GUI)</li> <li>• Easy Smart Conguration Utility <ul style="list-style-type: none"> <li>- Central Management</li> <li>- Friendly user interface</li> </ul> </li> </ul>
Ethernet Protocols	<ul style="list-style-type: none"> <li>• IEEE 802.3i 10BASE-T</li> <li>• IEEE 802.3u 100BASE-TX/FX</li> <li>• IEEE 802.3ab 1000BASE-T</li> <li>• IEEE 802.3x Flow Control</li> <li>• IEEE 802.1q VLANs/VLAN tagging</li> <li>• IEEE 802.1p QoS</li> </ul>

## CfXYf]b[ 'bZcfa Uh]cb

Host Switch	
Product Model	Description
TL-SG108PE	8-Port Gigabit Easy Smart Switch with 4-Port PoE
Router	
Product Model	Description
TL-ER604W	SafeStream Wireless N Gigabit Broadband VPN Router