

## Features

- 16GE+2\*1G SFP Ports with 24 PoE ports, 2\*1G SFP Up-link Ports
- Support Smart PoE Watchdog function
- Port 1-2 supports 802.3bt 60W
- Supports PoE power up to 30W for Port 3-24
- Supports 250meters Long-Range PoE transmit
- Supports PoE IEEE 802.3af/at/bt compliant PDs
- Support max 300W power
- Support Port VLAN(Port isolation)
- Support Wall-Mount installation
- LED indicators for LINK/ACT, Power, PoE Status, 100Mbps,1000Mbps
- 8K entry MAC address table with auto-learning and auto-aging



ITT-SWP-L2-16G2S L2 multi-functional network PoE management switch independently developed by hasivo adopts Realtek's new generation high-performance platform and new self-developed switch system, and supports flexible network management functions such as 802.1Q VLAN, IGMP, port monitoring, port aggregation, bandwidth control, ring application, etc. This series of switches is specially designed for the construction of high-performance complex network requirements, providing a comprehensive security protection system, perfect qo5 strategy and rich VLAN functions, simple

management and maintenance, and can be applied to the core layer of small and medium-sized enterprises, communities and schools..

## High Performance

- ◆ Supply 16\*10/ 100/1000M PoE ports, all of which can realize line speed forwarding.
- ◆ Supply 2\*1000M SFP uplink ports for high-speed uplink transmission.
- ◆ Each port supports MDI/ MDIX auto flip and duplex / rate self negotiation.
- ◆ Support IEEE 802.3x full duplex flow control and backpressure half duplex flow control.
- ◆ Complied to IEEE 802.3af/at, whole device PoE output power up to 300W, single port PoE power up to 30W.
- ◆ Automatically detect and supply power for PoE devices
- ◆ Advanced PD detection function when PoE is on, the switch can achieve real-time detection on powered devices. And the switch automatically sets the ports and then restores PoE power supplying to make no duty come true.
- ◆ Add a variety of new applications based on IPv6, easily adapt to modern complex network management applications
- ◆ Support IEEE 802.1Q VLAN, users can divide VLAN flexibly according to their needs.
- ◆ Support voice VLAN, configure QoS parameters for voice data stream, improve the transmission priority of voice data stream and ensure the call quality.
- ◆ It supports QoS, supports port based, 802.1p and DSCP based priority modes to optimize the bandwidth configuration.
- ◆ It supports ACL, achieves packet filtering by configuring matching rules, processing operations and time permissions, and provides flexible security access control policies

- ◆ Support IGMP V1 / V2 multicast protocol, support IGMP snooping, meet the requirements of multi terminal HD video monitoring and video conference access.
- ◆ Support multicast VLAN, multicast filtering, efficient data transmission, save network bandwidth, reduce network load.
- ◆ Support port monitoring, copy the data package of monitored port to the monitoring port to realize network monitoring.
- ◆ Support the management and maintenance of equipment through web interface. It supports port convergence, effectively increases link bandwidth, realizes link backup and improves link reliability.
- ◆ STP / RSTP / MSTP spanning tree protocol is supported to eliminate layer-2 loops and realize link backup.
- ◆ Support tree security function, prevent devices in tree network from being attacked by various forms of malicious.
- ◆ It supports static aggregation and dynamic aggregation, effectively increases link bandwidth, realizes load balancing, link backup, and improves link reliability
- ◆ Support web management, CLI command line (console, telnet), SNMP (v1/v2/v3) and other diversified management and maintenance methods.
- ◆ It supports HTTPS, SSL V3, tlsv1, sshv1/v2 and other encryption methods, and makes management more secure.
- ◆ It supports RMON, system log and port traffic statistics to facilitate network optimization and transformation.
- ◆ Users can know the working status of the switch through the power indicator (PWR), port status indicator and system status indicator (sys).

## Easy to Use

The auto features of this Ethernet switch make installation plug and play and hassle-free. No

configuring is required. Auto MDI/MDIX eliminates the need for crossover cables. Auto-negotiation on each port senses the link speed of a network device (10, 100,1000 Mbps) and intelligently adjusts for compatibility and optimal performance.

Model	ITT-SWP-L2-16G2S
Fixed port	16*10/100/1000Base-TX PoE port (Data) 2*1000M SFP
Console port	1*console port
Reset Key	1
Network Protocol	<p>IEEE 802.3x</p> <p>IEEE 802.3、IEEE 802.3u、IEEE 802.3ab、IEEE 802.3z</p> <p>IEEE 802.3ad</p> <p>IEEE 802.3q 、IEEE 802.3q/p</p> <p>IEEE 802.1w、IEEE 802.1d 、IEEE 802.1S</p> <p>IEEE 802.3z 1000BASE-X</p> <p>IEEE 802.3af/at</p> <p>STP(Spanning Tree Protocol)</p> <p>RSTP/MSTP( Rapid Spanning Tree Protocol)</p> <p>EPPS ring network protocol</p> <p>EAPS ring network protocol</p>
Port Specification	10/100/1000BaseT (X) Auto
Transmission Mode	Store and Forward(full wirespeed)
Bandwidth	56/128Gbps
Packet Forwarding	40.32Mpps
MAC Address	8K
Buffer	4.1M
Transmission Distance	<p>10BASE-T : Cat3,4,5 UTP(≤250 meter)</p> <p>100BASE-TX : Cat5 or later UTP(≤100 meter)</p> <p>1000BASE-TX : Cat6 or later UTP(≤1000 meter)</p> <p>1000BASE-SX:62.5μm/50μm MMF(2m~550m)</p> <p>1000BASE-LX:62.5μm/50μm MM(2m~550m) or 10μm SMF(2m~5000m)</p>
FLASH	128M
RAM	128M
Watt	≤300W
LED Indicator	<p>PWR:Power LED(Over-power LED)</p> <p>SYS:(System LED)</p> <p>1~16:(Link LED=10/100M Link、 1000M=Gigabit Link)</p> <p>17 18:(SFP LED)</p>
Power	Built-in LED AC 100~240V 50/60HZ
Operating Temperature/Humidity	-20~+55°C ; 5%~90% RH Non coagulation

Storage Temperature/Humidity	-40~+75°C ; 5%~95% RH Non coagulation
Product size/Packing size (L*W*H)	440mm*290mm*45mm 515mm*375mm*95mm
N.W/G.W (kg)	3.2kg/4kg
Installation	Rack-mount(optional machine hanger spare parts)
Lightning protection level	3KV 8/20us ; IP30
Certificate	CE mark, commercial ; CE/LVD EN60950 ; FCC Part 15 Class B ; RoHS ;
Warranty	Whole device for 1 year(Accessories not included)