

DPtech Ethernet Switches

LSW3620 Series



Overview

As the next generation high performance 10-Gigabit Ethernet switches independently developed by DPtech, the LSW3620 Series provides high density Gigabit access and non-convergent 10 Gigabit uplink capabilities. Based on the industry's leading high performance hardware architecture and DPtech's ConPlat operating system, its features include sound layer 2 and 3 processing capabilities, enhanced access security and access control policy, low power consumption, and fanless quiet design. It is ideal for building the next generation Self-Secure, energy-efficient, and virtual secure networks.

Features

■ High density Gigabit access and 10-Gigabit uplink

With 24/48 high density Gigabit interfaces and 4/6 reinforced 10-Gigabit uplink interfaces, the LSW3620 Series enables convergence-free interconnection and meet the high performance and no congestion requirements for large secure networks.

■ Sound security control

LSW3620 Series provides multiple authentication modes based on MAC address, 802.1x, capable of meeting the authentication requirements for printers, mobile terminals, and desktop PCs.

It supports dynamic or static binding of user identity, such as user account, IP, MAC, VLAN, and interface. It enables dynamic ACL distribution policy based on VLAN, which simplifies user configuration. The LSW3620 Series is provided with enhanced ACL rules by supporting large-capacity ingress and egress ACLs.

To address ARP attacks and ARP viruses, the primary threat of LAN security, the LSW3620 Series provides sound ARP protection by supporting ARP Detection, one-click ARP binding, authorized ARP, ARP source suppression, and ARP source address inspection, thus guarding against all APR attacks thoroughly.

■ Energy-efficient quiet design

With industry-leading energy-saving chips and compatibility with IEEE 802.3az EEE (Energy Efficient Ethernet) technology, the LSW3620-24GT4XGS enables automatic adjustment of energy usage according to network connection utilization. For idle Ethernet ports, the energy consumption at both ends will be reduced. When data

transmission is started, normal power supply will be resumed. In this way, it realizes intelligent adjustment of power supply requirements.

As the industry's 10-Gigabit fanless switch, the LSW3620-24GT4XGS adopts a fanless quiet design, which not only minimizes noise in environments, but also improves the device reliability by avoiding single-point failure caused by fans.

Models



LSW3620-24GT4XGS



LSW3620-48GT4XGS



LSW3620-24GT4XGS-PWR



LSW3620-48GT6XGS-PWR

Specification

Product Name	LSW3620-24GT4XGS	LSW3620-48GT4XGS	LSW3620-24GT4XGS-PWR	LSW3620-48GT6XGS-PWR
Switching Capacity	128Gbps	176Gbps	128Gbps	216Gbps
Forwarding Performance	95Mpps	131Mpps	95Mpps	161Mpps
10/100/1000 Base-T Ports	24	48	24	48
10G/1G BASE-X SFP+ Ports	4	4	4	6
PoE Ports	NA	NA	24	48
Dimension (w*d*h, mm)	442*220*44	442*280*44	440*260*44	442*330*44
Weight	2.4kg	3.7kg	4.1kg	5.3kg
Power Supply	54W (AC 100~240V)	54W (AC 100~240V)	450W (AC 100~240V)	520W (AC 100~240V)
Power Consumption	36W Static: 14.4W Full load: 20.6W	48W Static: 27.5W Full load: 39W	40W (excluding POE) Full load 410W (POE power 370W)	60W (excluding POE) Full load 519W (POE power 459W)

Operating Humidity	5%~95%, non-condensing	5%~95%, non-condensing	5%~95%, non-condensing	5%~95%, non-condensing
Operating Temperature	0°C ~ 45°C	0°C ~ 45°C	0°C ~ 45°C	0°C ~ 45°C
Storage Humidity	5%~95%, non-condensing	5%~95%, non-condensing	5%~95%, non-condensing	5%~95%, non-condensing
Storage Temperature	-40°C ~ +70°C	-40°C ~ +70°C	-40°C ~ +70°C	-40°C ~ +70°C
Fan	NA	1	2	3
MAC	Support static, dynamic, black hole MAC entries Support source MAC address filtering			
VLAN	Support 4K VLAN Support VLAN based on MAC/ IP subnet/authentication policy/interface VLAN Support Voice VLAN Support QinQ			
Port Features	Support port aggregation, port mirroring, RSPAN, port isolation, port traffic identification			
Spanning Tree	Support STP, RSTP, MSTP			
DHCP	Support DHCP Relay DHCP Server, DHCP Snooping			
IP Routing	Support static routing, RIPv1/2, OSPF			
Multicast	Support IGMP Snooping, IGMP Proxy			
ACL	Support ACL rules based on VLAN, MAC address, IP address, TCP/UDP port number			
QoS	Support 8 priority queues per port Support traffic classification based on 802.1p/DSCP/TOS Support speed limit on ports and streams Support SP, WRR, SP + WRR queue scheduling			
Security Features	Support local and centralized authentication based on MAC address Support local and centralized authentication based on 802.1x Support dynamic ARP detection, one-click ARP binding, authorized ARP, ARP source suppression, ARP source address inspection Support port isolation, port security Support broadcast storm suppression Support SSH2.0			
Management and Maintenance	Support real-time temperature detection and alarm Support SNMP, CLI, Web management, and Unified Management Center (UMC) Support local and remote output of system logs, operation logs, debugging information			