Managed Ethernet Switch

NSW5630-48GT4XP-IN





소개

NSW5630 series Ethernet switches are a new generation of high-performance Ethernet switching products launched by UNV for industries with high security requirements. This series of products adopts UNV's leading high-performance hardware architecture, with high-performance business processing capabilities, flexible Gigabit interfaces and high-density 10-Gigabit interfaces, and It can be deployed in scenarios such as multi-service aggregation in the campus, core of small and medium enterprises, providing a full range of secure, stable, and reliable high-performance L2/L3 layer switching services from chips to hardware to software.

주요 특징

- High performance port density scalability. With maximum of Nx10-Gigabit optical interfaces and flexibly scalable Gigabit interfaces, the 5630 series is a full wire-speed interconnection solution with the highest cost-effectiveness.
- Virtual Switching Matrix (VSM). The 5630 series adopts Virtual Switching Matrix (VSM) technology, which performs virtualization of multiple physical devices into a single logical device for unified configuration and management.
- Multiple services. The 5630 series supports multiple protocols such as IGMP, IGMP Snooping, GMRP, and PIM. It supports large-scale multicast entries to fully satisfy the requirements of IP HD video surveillance and other multicast services.
- Sound security control policy. The 5630 series provides multiple centralized authentication modes based on MAC address, 802.1x. It supports dynamic or static binding of user identity, such as user account, IP, MAC, VLAN, and interface.
- Guaranteed high reliability. Compatible with fast ring network recovery protocol (FRRP) and fast link recovery protocol (FLRP), the 5630 series provides a self-recovery performance of less than 20 milliseconds.

- Full support of IPV4/IPv6 dual stack. The 5630 series supports IPv4/IPv6 dual stack and IPv6 over IPv4 Tunnel (including manual Tunnel, 6to4 Tunnel, ISATAP Tunnel) as well as IPv6 layer 3 wire-speed forwarding. It can be flexibly deployed on a network with only IPv4 or IPv6, or with both IPv4 and IPv6, thus satisfying the transition requirements from IPv4 to IPv6.
- Outstanding management. Compatible with SNMPv1/v2/v3 standard network management protocol, the 5630 series provides CLI command lines and a Web management interface.

사양

Model	NSW5630-48GT4XP-IN
Hardware Specification	
Ports Type	48*1Gbps RJ45 + 4*10Gbps SFP+
Switching capacity	176Gbps
Forwarding performance	130.944Mpps
MAC	32K
Jumbo Frame	9216
Indicator	RUN, ALM, PWR0, PWR1, LINK/ACT
Power Supply	AC: 100V to 240V AC, 50/60Hz, 2A. Dual Power Supply with Hot Swap function
Max.Power	100W
Cooling Fans	1
Operating Temperature	0℃ to 45℃
Dimensions (W×D×H)	440×400×44 mm
Weight	4.7kg
Operating Humidity	5% to 95%, non-condensing
Software Specification	
MAC	Supports 32K MAC entries Support static MAC, dynamic MAC, black hole MAC, source MAC address filtering
Ethernet	Support port aggregation, port mirroring, port isolation, port traffic identification, RSPAN, unknown unicast suppression, multicast storm suppression, broadcast storm suppression
Virtualization	Support VSM virtualization
VLAN	Supports 4K VLAN Supports VLAN based on MAC/IP subnet/authentication policy/port/protocol Support Guest VLAN, PVLAN Support QinQ, flexible QinQ, VLAN MAPPING, GVRP
IP Route	IPv4: Static routing, RIP v1/2, OSPF, ISIS, policy-go-together, etc. IPv6: IPv6 static routing, RIPng, OSPFv3, BGP4+, ISISv6, transition tunnel technology from IPv4 to IPv6, etc.
Maintenance	Support RMON Support OAM Support NTP Support power supply, fan, temperature alarm Support ULDP (Unidirectional Link Detection Protocol) Unidirectional Link Detection Protocol Support SNMP, CLI, Web network management

	Support local and remote output such as system log, operation log, debugging information, etc. Support interface and static route configuration description function Support command line to switch the working mode of Layer 2/Layer 3 interface (any interface)
Security	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; Supports CPU load protection, enhances the device's anti-attack capability, and ensures stable network operation Support port isolation, Static Port Access Control Support broadcast storm suppression Support SSH2.0
QoS	Support traffic classification based on 802.1p/DSCP/TOS Support speed limit on ports and streams Support SP, WRR, SP + WRR queue scheduling
ACL	Support ACL based on VLAN, MAC address, IP address, TCP/UDP port number, etc.
Reliability	Support STP, RSTP, MSTP, FRRP, FLRP, ERPS Ethernet ring protection protocol (G.8032)
DHCP	Support DHCP Client, DHCP Server, DHCP Relay, DHCP Snooping
Multicast	Support GMRP v1/v2/v3, IGMP Proxy Support IGMP Snooping v1/v2/v3, MLD v1/v2, MLD Snooping v1/v2 Support PIM-SM, PIM-SSM, PIM-DM

Unlimited New View

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