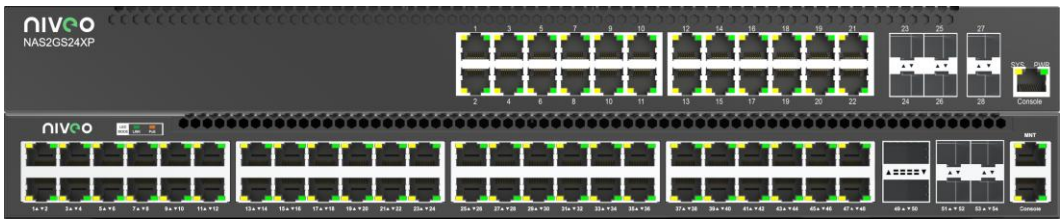
WE MAKE NETWORKING EASY!

Niveo Professional 2.5Gb AV Series

2.5Gb AV Layer 3 Gigabit Switches, PoE++

NAS2GS24XP	24 Port 2.5GbE PoE++ ports, 6 * 10Gb SFP+ ports, Layer 3 Mgt
NAS2GS48XP	48 Port 2.5GbE PoE++ ports, 4 * 25Gb SFP28 ports & 2 * 40G QSFP+ ports, Layer 3 Mgt



Niveo Professional | Netstar Ventures BV |
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General

The Niveo Professional 1Gb AV Series is a next-generation, Layer 3, 11 Gigabit Switch series. It is an ideal solution for demanding Video-over IP solutions and other networks demanding high bandwidth. The series is **designed by AV-professionals, for AV-professionals.**
The interface offers a full **profile configuration**, for easy deployment. The switches are capable of delivering unblocked Layer3 switching for demanding Video over IP, audio and IPMX setups.

Features

- Easy to Configure though profiles
- Supports Dante, NDI, AV over IP, SDVoE-FleXlinQ, IPMX, Q-sys, AES67, Ravenna
- Supports 24-48 port PoE++
- Supports QoS, DHCP, BGP, VRRP, QinQ, etc.
- Supports WEB/CLI/SNMP/SSH for Flexible Operation
- Supports SSH, ACL, AAA, 802.1X, RADIUS, TACACS+, etc. for Security
- IPv4/IPv6 Dual-Stack for Future Network Expansion

Specifications

Model number	NAS2GS24XP	NAS2GS48XP
Performance		
Networking Interfaces	24x100/1000/2500BASE-T 4x10G SFP	48x100/1000/2500BASE-T 4x25G SFP28 2x40G QSFP+
	240Gbps	600Gbps
Forwarding Capacity	178.56 Mpps	446.4 Mpps
Forwarding Mode	Store and Forward	
Packet Buffer Memory	16 Mbit	32 Mbit
RAM for CPU	2Gbit	8Gbit
Flash memory	256 Mbit	512 Mbit
MAC Address table	32K	
Max. Jumbo Frame Size	12K	
ACL Tabler	4K	1K
VLAN Quantity	4K	

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VLAN Interface	1K	32K
Multicast Groups	4K	
Routing host	8K IPv4 or 2K IPv6	16K
Routing Entries	12K IPv4 or 3K IPv6	16K
Port Queues	8	
POE Budget	900W	
Physical		
Dimensions (mm)	440x460x44	
Weight	5kg	
Operating temperature	0 to 40℃	
Storage Temperature	-10 to 70℃	
Operating Humidity	5 to 95% Noncondensing	
Power method	100-240VAC, 50/60Hz	
Max. Power Consumption	900W	
EMC Safety	FCC, CE, RoHS	
Power over Ethernet		
PoE Interfaces	1-24	1-48
PoE Standard	IEEE802.3af, IEEE802.3at, IEEE802.3bt	
Max. PoE Wattage per Port	60W	
PoE Voltage	54W	
PoE Pin Assignment	V- (RJ45 Pin1,2,7,8), V+ (RJ45 Pin 3,4,5,6) for 802.3bt	
PoE Management	Port-base PoE status view and control	
Port Configuration		
Enable and Disable	Support control enable and disable	
Auto-Negotiation	Support force port mode and speed	
Flow Control	Support IEEE802.3x full-duplex Support half-duplex backpressure	
Storm Control	Support broadcast, multicast, DLF pack rate limit	
Port Mirroring	Support many to one mirroring	
Rate Limit	Support Port input and output rate limit	
Link Aggregation	Support manual Link Aggregation Support LACP Up to 8 maximum aggregation groups, each containing up to 8 ports (32 groups and 32 ports for 48P switches)	
Aggregation Strategy	Source MAC / Destination MAC / Source Destination MAC Source IP / Destination IP / Source Destination IP	
Port Protection	Each port can be configured into isolated protected port from each other	
MAC Configuration		

MAC Address Table Mgt	Support
Transfer Mode	Support IVL transfer mode
Static MAC Address	Support
MAC Binding	Support
MAC Address Filter	Support
MAC Quantity Limitation	Support limit the number of MAC-addresses Learning per port
VLAN Configuration	
VLAN Based on 802.1Q	Support
MAC-Based VLAN	Support
IP-Based VLAN	Support
Protocol-Based VLAN	Support
Guest VLAN	Support
Private VLAN	Support
Reliability Protocol	
Spanning Tree	Support STP/RSTP/MSTP
BPDU Guard	Support
BPDU Filter	Support
Port Loop Detection	Support
EAPS Protocol	Support RFC3619
ERPS Protocol	Support
LLDP Protocol	Support LLDP and LLDP-MED
UDLD Protocol	Totally compatible with UDLD protocol of CISCO
L3 Routing	
ARP	Support static and dynamic ARP
Static Routing	Support
Policy Routing	Support
RIP	Support RIP v1/v2
OSPF	Support OSPF v2
VRRP	Support
Multicast	
Static Multicast MAC Address	Support
IGMP	V1/v2/v3
IGMP SNOOPING	Support
IGMP Querier	Support
IGMP Filter	Support
MVR	Support
GMRP	Support
Access Control List (ACL)	
Based on Standard IP	Support

Based on Extend IP	Support
Based on MAC IP	Support
Based on MAC ARP	Support
Based on time	Support
Port Filtering	Support
Quality of Service (QOS)	
Scheduling Mode	Support WRR， SP, WFQ
Sorting Based on Port	Support
Sorting Based on 802.1p	Support
Sorting Based on DSCP	Support
DHCP	
DHCP Client	Support
DHCP Relay	Support
DHCP Server	Support
DHCP option	Support
DHCP Snooping	Support
Security	
Administrative Security	Support start and end TELNET, WEB and SNMP serve Support TELNET, WEB and SNMP serve binding with Standard IPACL Support control the number of user for TELNET
CPU Protect	Switch self-security protect, forbid flow attack
IP-MAC Address Bind	Support binding between static configuration IP, MAC / Port
AAA	Support 802. 1x protocol Support RADIUS protocol Support RADIUS server authentication authorization and bill Support MAC-based 802. 1X authentication. Support 802.1x guest VLAN
DHCP SNOOPING	Support dynamic ARP bind to prevent ARP spoofing Support dynamic IP, MAC port binding Support stationary port connect to DHCP server, to prevent privately connect to DHCP sever
Prevent ARP Spoofing	Support manual configure ACL rule based on MACARP prevent ARP spoofing Support DHCP SNOOPING function, switch dynamically binding ARP and port, when the DHCP get IP address , to prevent ARP spoofing
Management	

CLI Management	Support Console, Telnet and SSH Support multiple TELNET connections based on IPv4 and IPv6 Support multiple SSH connections based on IPv4 and IPv6
WEB Management	Support HTTP / HTTPS based on IPv4 and Ipv6
SNMP Management	Support SNMP protocol Support SNMP TRAP Support standard and private MIB
User management	Support multi-user management
Show CPU Utilization	Support
Show RAM Utilization	Support
Log Management	Support local log management Support SYSLOG
Config Download / Upload	Support Web / TFTP transmission based IPv4 / IPv6
Upgrade Firmware	Support Web / TFTP transmission based IPv4 / IPv6
Timer Management	Support local timer management Support SNTP protocol get clock
Debugging Tools	
PING	Support
TRACEROUTE	Support
TELNET Client	Support
Package List	
AV Switch	1pce
User Manual	1pce
Power Cord	1pce
DB9 to RJ45 Cable	1pce
Rack Mount Kit	2 pcs
Rubber Feet	4pcs

Order Information

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