



Managed Industrial Switch

FNS200KW-AGB Series

Introduction

The newly developed FNS200KW-AGB series full gigabit network managed wide temperature switch adopts a new generation of high-performance hardware and software platforms, providing flexible and cost-effective full gigabit access and uplink ports, supporting complete security protection mechanisms, comprehensive ACL/QoS policies, and flexible VLAN functions, making it easy to manage and maintain, meeting the networking needs of users for easy management, high security, high performance, and low cost network equipment. It is specifically designed for municipal Customized series of indoor projects such as banks, education, hospitals, hotels, internet cafes, data centers, and outdoor new infrastructure projects can meet large-scale market demands.

Product features

- The working temperature range of -30°C to 70°C meets outdoor new infrastructure projects;
- No fan silent, energy-saving and environmentally friendly, reduces product power consumption, and delays product lifespan.
- Metal shell, multiple flexible installation methods, including desktop and 1U rack installation.

Full Gigabit ports

- The entire series supports a combination of "Ethernet port+optical port", making it convenient for users to flexibly network and meet various networking needs in various scenarios;
- Provide 10~28 port products, all of which have gigabit line speed forwarding capabilities to meet the needs of different users.

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Powerful business processing capabilities

- Supports IEEE 802.1Q VLAN, allowing users to flexibly partition VLANs according to their needs.
- Support voice VLAN, configure QoS parameters for voice data streams, improve the transmission priority of voice data streams, and ensure call quality.
- Supports QoS, supports three priority modes based on port, 802.1P, and DSCP, as well as queue scheduling algorithms such as SP, WRR, and WFQ.
- Support ACL, filter data packets by configuring matching rules, processing operations, and time permissions, and provide flexible security access control policies.
- Support IGMP Snooping and MLD Snooping to meet the needs of multi terminal high-definition video monitoring and video conference access.
- Support multicast VLAN and multicast filtering, efficiently transmit data, save network bandwidth, and reduce network load.
- Support port monitoring by copying a copy of the data packet from the monitored port to the monitoring port, achieving network monitoring.

Diverse reliability protection

- Support STP/RSTP/MSTP spanning tree protocol, support ERPS ring network protocol, eliminate layer 2 loops, and achieve link backup.
- Support the spanning tree security function to prevent devices in the spanning tree network from being subjected to various forms of malicious attacks.
- Support both static and dynamic aggregation, effectively increasing link bandwidth, achieving load balancing, link backup, and improving link reliability.

Multiple security protection mechanisms

- Support quadruple binding of IP address, MAC address, VLAN, and port to filter data packets.
- Support ARP protection against common ARP spoofing, ARP flooding attacks, etc.
- Support IP source protection to prevent illegal address spoofing, including MAC spoofing, IP spoofing, MAC/IP spoofing, etc.

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- Support DOS protection to protect against attacks such as Scan SYNFIN, Xmascan, Ping Flooding, etc.
- Support 802.1X authentication, provide authentication function for local area network devices, and control the authorization status of controlled ports based on the authentication results.
- Support DHCP Snooping, effectively eliminating the need for private DHCP servers and ensuring their legitimacy.

Easy operation and maintenance

- Support diverse management and maintenance methods such as web network management, CLI command line (Console, Telnet), SNMP (V1/V2/V3), etc.
- Support HTTPS, SSL V3, TLSV1, SSHV1/V2 and other encryption methods for more secure management.
- Support RMON, system logs, and port traffic statistics for network optimization and transformation.
- Support cable detection, Ping detection, and Tracert detection operations, making it easy to analyze faulty network nodes.
- Supports LLDP, making it convenient for network management systems to query and determine the communication status of links.
- Support CPU monitoring, memory monitoring, Ping detection, Tracert detection, and cable detection.

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Product specifications

Model	FNS200KW-28-AGB-SFP-S	FNS200KW-48-AGB-SFP-S	FNS200KW-412-AGB-SFP-S
Ethernet Port	8	8	8
SFP Slot	2	4	/
Combo port	/	/	4
Backplane Bandwidth	20Gbps	24Gbps	24Gbps
Packet forwarding rate	14.9Mpps	17.9Mpps	17.9Mpps
MAC Address	8K	8K	8K
POE	/	/	8PoE/4PoE+
Operating Temperature	-30 °C ~70°C	-30 °C ~70°C	-30 °C ~70°C
Storage Temperature	-40 °C ~75°C	-40 °C ~75°C	-40 °C ~75°C
Relative Humidity	5~95% (Non-condensing) 5%~95RH(Non-condensing)	5~95% (Non-condensing) 5%~95RH(Non-condensing)	5~95% (Non-condensing) 5%~95RH(Non-condensing)
Dimension	240*138*44mm	240*138*44mm	240*188*44mm
Power input	External DC12V	External DC12V	AC/DC 100-240V(POE:96W)
consumption	< 6W	< 8W	< 120W

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Model	FNS200KW-224-AGB-SFP-S	FNS200KW-424-AGB-SFP-S	FNS200KW-428-AGB-SFP-S	FNS200KW-1612-AGB-SFP-S
Ethernet Port	24	24	24	8
SFP Slot	2	4	/	16
Combo port	/	/	4	4
Backplane Bandwidth	52Gbps	56Gbps	56Gbps	56Gbps
Packet forwarding rate	38.7 Mpps	41.7Mpps	41.7Mpps	41.7Mpps
MAC Address	8K	8K		8K
POE	/	/	24PoE/12PoE+	/
Operating Temperature	-30 °C ~70°C	-30 °C ~70°C	-30 °C ~70°C	-30 °C ~70°C
Storage Temperature	-40 °C ~75°C	-40 °C ~75°C	-40 °C ~75°C	-40 °C ~75°C
Relative Humidity	5~95% (Non-condensing)	5~95% (Non-condensing)	5~95% (Non-condensing)	5~95% (Non-condensing)
Dimension	440*190*44mm	440*190*44mm	440*290*44mm	440*190*44mm
Power input	AC/DC 100-240V	AC/DC 100-240V	AC/DC 100-240V	AC/DC 100-240V
consumption	< 20W	< 20W	< 450W	< 30W

Managed Switch FNS200KW-AGB



Order Information

Model	Description
FNS200KW-28-AGB-SFP-S	Managed Switch: 2 Gigabit SFP optical port + 8Gigabit adaptive electrical ports,, DC12V power supply, wide temperature (-30 ° C -70 ° C), loop network (STP/RSTP/ERPS), WEB/CLI management, SNMP-VLAN, and DC 12V/1A power adapter
FNS200KW-48-AGB-SFP-S	Managed Switch: 4 Gigabit SFP optical port + 8Gigabit adaptive electrical ports, DC12V power supply, wide temperature (-30 ° C -70 ° C), loop network (STP/RSTP/ERPS), WEB/CLI management, SNMP-VLAN, and DC 12V/1A power adapter
FNS200KW-412-AGB-SFP-S	Managed Switch: 4 Combo Gigabit optical port + 8Gigabit adaptive electrical ports, wide temperature (-30 ° C -70 ° C), loop network (STP/RSTP/ERPS), WEB/CLI management, SNMP-VLAN, and AC/DC 100-240V(POE:96W) power input
FNS200KW-224-AGB-SFP-S	Managed Switch: 2 Gigabit SFP optical port +24 Gigabit adaptive electrical ports,, DC12V power supply, wide temperature (-30 ° C -70 ° C), loop network (STP/RSTP/ERPS), WEB/CLI management, SNMP-VLAN, and DC 12V/1A power adapter
FNS200KW-424-AGB-SFP-S	Managed Switch: 4 Gigabit SFP optical port + 24 Gigabit adaptive electrical ports, wide temperature (-30 ° C -70 ° C), loop network (STP/RSTP/ERPS), WEB/CLI management, SNMP-VLAN, and AC/DC 100-240V power input
FNS200KW-428-AGB-SFP-S	Managed Switch: 4 Combo Gigabit SFP optical port + 24 Gigabit adaptive electrical ports, wide temperature (-30 ° C -70 ° C), loop network (STP/RSTP/ERPS), WEB/CLI management, SNMP-VLAN, and AC/DC 100-240V(POE:450W) power input
FNS200KW-1612-AGB-SFP-S	Managed Switch: 4 Combo Gigabit SFP optical port +16 Gigabit SFP optical port + 8 Gigabit adaptive electrical ports, SFP ports,, wide temperature (-30 ° C -70 ° C), loop network (STP/RSTP/ERPS), WEB/CLI management, SNMP-VLAN, and AC/DC 100-240V power input