Navijin

DATASHEET

NETWORK INFRASTRUCTURE / L2 POE MANAGED SWITCH

GE6010-24P2S-L2

Gigabit 24-port Ethernet and 2-port SFP L2 PoE

PRODUCT PAGE

GE6010-24P2S-L2



52Gbps	38.68Mpps	400W
SWITCHING CAPACITY	PACKET FORWARDING RATE	TOTAL POE POWER BUDGET

Overview

The Navijin GE6010-24P2S-L2 is a 24-port Gigabit Layer 2 managed PoE+ switch with 2 SFP fiber uplinks. Each port delivers up to 30W (IEEE 802.3af/at), making it ideal for powering IP cameras, Wi-Fi access points and IP phones from a single rack-mount unit. With 52Gbps switching capacity, VLAN and QoS support and web/CLI management, it is a reliable access switch for offices, hotels, schools, hospitals and retail branches.

Key Features

- 24-port 10/100/1000Mbps IEEE 802.3af/at PoE(PoE+)
- 2-port 1G SFP+ fiber interfaces
- IEEE 802.3x full-duplex flow control
- Single port power up to 30W
- 52Gbps Switching Capacity

Hardware Specifications

Power Supply	AC 100-240V 50/60Hz
LED Indicator	Link-Act / PoE / Power
Dimensions(W x D x H)	440mm x 290mm x 46mm
Weight	4Kg

Environment Specifications

Certification	FCC Part 15 Class A; CE; RoHS
ESD Protection	4KV
Operation Conditions (Temperature/Humidity)	-10°C to 45°C / 10% to 90%
Storage Conditions (Temperature/Humidity)	-20°C to 70°C / 5% to 95%

Network Specifications

Ethernet Interface	24x 10/100/1000Mbps RJ45 Ports
Ethernet Port Feature	10/100/1000BaseT(X): Auto negotiation speed; Full/Half duplex mode; Auto MDI/MDI-X connection;
PoE Port	24x 10/100/1000Mbps RJ45 PoE PSE Ports
Port PoE Power	Per Port DC 52V, 300mA; max. 15.4 watts (IEEE 802.3af) Per Port DC 52V, 600mA; max. 30 watts (IEEE 802.3at)
Total PoE Power Budget	400W
Standards	IEEE 802.3 for 10BASE-T IEEE 802.3u for 100BASE-TX and 100BASE-FX IEEE 802.3ab for 1000BASE-TX IEEE 802.3i for 10Base-T IEEE 802.3z for 1000Base-X IEEE 802.3x for flow control IEEE 802.3ad for Port Trunk with LACP IEEE 802.3af/at for PoE/PoE+ output IEEE 802.3az for Energy Efficient Ethernet IEEE 802.1Q for VLAN Tagging IEEE 802.1D for Spanning Tree Protocol IEEE 802.1w for Rapid Spanning Tree Protocol IEEE 802.1s for Multiple Spanning Tree Protocol IEEE 802.1p for Class of Service / IEEE 802.1X for authentication
Optical Fiber Interface	2x 1000Mbps 100/1000BaseSFP Slots
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP(≤100 meter) 100BASE-TX: Cat5 or later UTP(≤100 meter) 1000BASE-T: Cat5 or later UTP(≤100 meter) 1000Base-X: MMF, SMF
Console Port	1x RJ45 Port

Switching Specifications

Transmission Method	Store-and-Forward
Switching Capacity	52Gbps
Packet Forwarding Rate	38.68Mpps
Packet Buffer	4.1Mbit
Jumbo Frame	10K bytes
MAC Address Table	8K

Port Configuration	Full duplex flow control Port temperature protection settings IEEE green Ethernet energy saving configuration
VLAN	Port-based VLAN(4K) MAC-based VLAN Protocol-based VLAN Voice VLAN
Link Aggregation	LACP / static trunk (8 trunk groups with 8 ports per group)
Spanning Tree Protocol	Spanning Tree Protocol Rapid Spanning Tree Protocol Multiple Spanning Tree Protocol
Multicast	IPv4 IGMP(v1/v2) snooping (1024 groups at most) IPv6 MLD (v1/v2) snooping Multicast VLAN Registration (MVR)
Mirror	TX / RX / Both Many-to-1 monitor
QoS	DiffServ Priority mapping SP, WRR, WFQ, WRR+SP, WFQ+SP
Access Control List	IP based ACL MAC based ACL Protocol type based ACL VLAN based ACL
Security Characteristics	User level and password based management RADIUS authentication Port security IP source guard Dynamic ARP inspection Port-based network access control MAC-based authentication
DHCP	DHCP Client / DHCP Snooping / DHCP Option 82

Management

Management Interfaces	Console / Telnet / Web browser(HTTPS) SNMP v1, v2, v3 / SSHv2(CLI)
System Management	Firmware and download management(FTP, TFTP, Xmodem, SFTP) LLDP NTP/SNTP CPU status view System log Ping Detection Cable state detection

Warranty & support Local RMA and technical support through our regional hub in Dubai and our authorized partners. Certificates and project pricing on request. **navijin.com** · **sales@navijin.com**

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