**ZYXEL**

# Zyxel GS1920-24HPv2 Managed L2/L3/L4 Gigabit Ethernet (10/100/1000) Power over Ethernet (PoE) Black

**Brand :** Zyxel

**Product name :** GS1920-24HPv2

**Product code:** GS192024HPV2-GB0101F

GS1920-24HPv2 - 24-port GbE Smart Managed PoE

Zyxel GS1920-24HPv2 Managed L2/L3/L4 Gigabit Ethernet (10/100/1000) Power over Ethernet (PoE) Black:

**A new-look smart managed switch with a refreshed design inside and out!**
The GS1920v2 series extends the success of the best-selling GS1920 series with a stylish new look and enables cloud manageability with Zyxel NebulaFlexTM technology.

**Manage it your way!**
The GS1920v2 series introduces Zyxel NebulaFlexTM, which allows you to easily switch between standalone mode and our license-free Nebula cloud management platform anytime with just a few simple clicks.

**Maximum flexibility for your Gig**
The GS1920v2 series is ideal for SMB deployment in multiple scenarios, with its unique port combinations futureproofing your network to ensure easy growth down the road.

**Designed for the long haul**
A web smart managed switch with an enterprise-grade hardware design. Built-in state-of-the-art hardware technology brings high quality and robustness to SMB networks.

## Management features

| | |
|---|---|
| Switch type * | Managed |
| Switch layer | L2/L3/L4 |
| Quality of Service (QoS) support | ✔ |
| ARP inspection | ✔ |
| System event log | ✔ |
| MIB support | RFC 1066, RFC 1213, RFC 1157, RFC 1493, RFC 1643, RFC 1757, RFC 2011.2012,2013, RFC 2233, RFC 2358, RFC 2674, RFC 2819,2925, RFC 3621, RFC 4022, RFC 4113, RFC 4292, RFC 4293 |

## Ports & interfaces

| | |
|---|---|
| Basic switching RJ-45 Ethernet ports quantity * | 24 |
| Basic switching RJ-45 Ethernet ports type * | Gigabit Ethernet (10/100/1000) |
| Combo SFP ports quantity | 4 |
| Fiber optic connector | SFP |

## Network

| | |
|---|---|
| Networking standards * | IEEE 802.1D, IEEE 802.1Q, IEEE 802.1ab, IEEE 802.1p, IEEE 802.1s, IEEE 802.1w, IEEE 802.1x, IEEE 802.3ab, IEEE 802.3ad, IEEE 802.3af, IEEE 802.3at, IEEE 802.3u, IEEE 802.3x, IEEE 802.3z |
| 10G support * | ✖ |
| Copper ethernet cabling technology | 100BASE-TX, 1000BASE-T |
| Flow control support | ✔ |
| Rate limiting | ✔ |
| Spanning tree protocol | ✔ |
| VLAN support | ✔ |

## Design

| | |
|---|---|
| Product colour | Black |
| LED indicators | ✔ |
| Electromagnetic compatibility | FCC 15 A, CE A, BSMI EMC |
| Certification | RoHS |

## Performance

| | |
|---|---|
| Internal memory | 256 MB |
| Flash memory | 32 MB |
| Noise level | 27.2 dB |
| Mean time between failures (MTBF) | 638691 h |

## Power

| | |
|---|---|
| AC input voltage | 100 - 240 V |
| AC input frequency | 50/60 Hz |
| Power consumption (max) | 463.5 W |

## Power over Ethernet (PoE)

| | |
|---|---|
| Power over Ethernet (PoE) * | ✔ |
| Power over Ethernet (PoE) ports quantity | 24 |
| Total Power over Ethernet (PoE) budget | 375 W |

## Operational conditions

| | |
|---|---|
| Operating temperature (T-T) | 0 - 50 °C |
| Storage temperature (T-T) | -40 - 70 °C |
| Operating relative humidity (H-H) | 10 - 95% |
| Storage relative humidity (H-H) | 10 - 95% |
| Heat dissipation | 1580.54 BTU/h |

## Weight & dimensions

| | |
|---|---|
| Width | 441 mm |
| Depth | 270 mm |
| Height | 44 mm |

## Network

| | |
|---|---|
| Virtual LAN features | IP subnet–based VLAN, MAC address-based VLAN, Port-based VLAN, Private VLAN, Protocol-based VLAN, Voice VLAN |

## Data transmission

| | |
|---|---|
| Switching capacity * | 56 Gbit/s |
| Forwarding rate | 42 Mpps |
| MAC address table * | 16000 entries |
| Packet buffer memory | 1.5 MB |

## Security

| | |
|---|---|
| DHCP features | DHCP client, DHCP relay, DHCP snooping, DHCPv6 relay |
| Access Control List (ACL) | ✔ |
| IGMP snooping | ✔ |
| Security algorithms | 802.1x RADIUS, SNMP, SNMPv3 |
| IP-MAC-Port binding | ✔ |
| Authentication | Guest VLAN, Port-based authentication |
| Password protection | ✔ |
| Authentication type | IEEE 802.1x, RADIUS |
| Queue scheduling algorithms | SPQ, WFQ, Weighted Round Robin (WRR) |

## Multicast features

| | |
|---|---|
| Multicast support | ✔ |

## Design

| | |
|---|---|
| Rack mounting * | ✔ |

## Weight & dimensions

| | |
|---|---|
| Weight | 3.8 kg |

## Packaging data

| | |
|---|---|
| Cables included | AC |
| Package type | Box |
| Rack mount kit | ✔ |
| Package width | 616 mm |
| Package depth | 355 mm |
| Package height | 107 mm |
| Package weight | 4.97 kg |

## Logistics data

| | |
|---|---|
| Harmonized System (HS) code | 85176990 |

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