ZyXEL XMG2230-28HP, Managed, L2/L3, 2.5G Ethernet (100/1000/2500), Power over Ethernet (PoE), Rack mounting, 1U



24-port 2.5G PoE L3 Access Switch with 4 10G Uplink - Layer 3 Access - IEEE 802.3bt PoE++ (60W) - 100-240V AC - 50/60Hz/50-57V DC - 441 x 330 x 44 mm - 4.53 kg

Group	Network Equipment
Manufacturer	ZyXEL
Manufacturer item no.	XMG2230-28HP-ZZ0101F
EAN/UPC	4718937645312

Description

Flexible Multi-Gig port configuration for diversified deployments
The XMG2230-28HP offers PoE-capable 2.5G Multi-Gig ports, while the XMG2230-52HP provides a mix of 1G and 2.5G PoE ports. Both models include four 10G SFP+ fiber uplinks for high-speed connectivity. The 52-port model's port mix enables efficient bandwidth allocation based on device needs, balancing cost and performance for scalable, future-proof networks.

Dual power for always-on connectivity
The XMG2230 Series is designed with superior network resiliency in mind, featuring dual power sources: an internal AC input as the primary source and an optional DC input for connection to an external DC power system. This active-standby power redundancy enables automatic switchover to backup power if the main AC source fails. The dual power design helps prevent unexpected outages and ensures stable, 24/7 connectivity.

High-power, adaptive PoE for modern business devices
The XMG2230-28HP supports PoE++ on all ports, while the XMG2230-52HP offers a mix of PoE+ and PoE++ for greater deployment flexibility. The series provides adaptive PoE power budget with either internal AC power 700W (28HP)/960W (52HP) or external DC power system 1440W (28HP)/2400W (52HP). It is built for higher capacity, improved efficiency, and reliable operation in demanding environments such as high-performance WiFi, video conferencing, IP surveillance, thin/zero clients, smart building, IoT, and AV applications.

Segment your network more effectively for security
Designed for SME networks, this series of switches supports full L2 feature sets such as VLAN, ACL, port aggregation, and mirroring, along with advanced security to keep your business protected. It also provides essential L3 access features for converged voice, video, and data. With support for static routing, the switches ensure efficient traffic flows across your network, while the built-in DHCP server simplifies device onboarding and reduces IT overhead.

Click. Tap. Done.
Get up and running in minutes with the Nebula mobile app. With just a few simple clicks, our user-friendly step-by-step wizard walks you through the entire installation process, no technical expertise required.

Once connected, the intuitive interface gives you complete control, making it easy to adjust settings, monitor performance and manage your network anytime, anywhere.

Search: Zyxel Nebula Mobile

Powerful, effortless and scalable connectivity.

With Nebula, you can manage your entire network – wireless, switching, security and LTE/5G – through a single centralized cloud platform. Deploy and configure devices quickly and remotely, without the need for extra hardware controllers or software.

Whether you're managing one site or many, Nebula delivers real-time monitoring, instant alerts and complete network visibility – anytime, anywhere.

Scale confidently, simplify operations and stay secure – all through one intuitive platform.

Dedicated networked AV mode

The Networked AV mode in standalone mode simplifies deployment with an intuitive setup wizard and AI-driven auto-configuration. A visual dashboard highlights key AV settings like IGMP, while a simplified menu streamlines management. With high performance plus built-in Dante and AES67 profile support, the XMG2230 ensures smooth, reliable AVoIP streaming for professional AV environments.

Main features

	General
Switch type	Managed
Switch layer	L2/L3
Basic switching RJ-45 Ethernet ports type	2.5G Ethernet (100/1000/2500)
Basic switching RJ-45 Ethernet ports quantity	24
Console port	RJ-45/USB Type-C
MAC address table	32000 entries
Switching capacity	200 Gbit/s
Networking standards	IEEE 802.1D, IEEE 802.1Q, IEEE 802.1ab, IEEE 802.1ad, IEEE 802.1p, IEEE 802.1s, IEEE 802.1w, IEEE 802.1x, IEEE 802.3ab, IEEE 802.3ad, IEEE 802.3ae, IEEE 802.3af, IEEE 802.3an, IEEE 802.3at, IEEE 802.3az, IEEE 802.3bt, IEEE 802.3bz, IEEE 802.3x, IEEE 802.3z
DC input voltage	50 - 57 V
Power over Ethernet (PoE)	Yes
Rack mounting	Yes
Form factor	1U

Extended details

	Design
Rack mounting	Yes
Stackable	Yes
Form factor	1U
Product colour	Black
LED indicators	Yes
	Management features
Switch type	Managed

Switch layer	L2/L3
Quality of Service (QoS) support	Yes
Cloud-managed	Yes
ARP inspection	Yes
Configuring Location Settings (CLI)	Yes
	Ports & interfaces
Basic switching RJ-45 Ethernet ports quantity	24
Basic switching RJ-45 Ethernet ports type	2.5G Ethernet (100/1000/2500)
SFP+ module slots quantity	4
Console port	RJ-45/USB Type-C
	Power over Ethernet (PoE)
Power over Ethernet (PoE)	Yes
Power over Ethernet (PoE) type supported	PoE++ (4PPoE)
Total Power over Ethernet (PoE) budget	1440 W
	Data transmission
MAC address table	32000 entries
Switching capacity	200 Gbit/s
Forwarding rate	148.8 Mpps
Static route	Yes
Number of static routes	4000
Number of IP interfaces	32
Jumbo frames support	Yes
Jumbo frames	12
Packet buffer memory	2 MB
	Network
Networking standards	IEEE 802.1D, IEEE 802.1Q, IEEE 802.1ab, IEEE 802.1ad, IEEE 802.1p, IEEE 802.1s, IEEE 802.1w, IEEE 802.1x, IEEE 802.3ab, IEEE 802.3ad, IEEE 802.3ae, IEEE 802.3af, IEEE 802.3an, IEEE 802.3at, IEEE 802.3az, IEEE 802.3bt, IEEE 802.3bz, IEEE 802.3x, IEEE 802.3z
10G support	Yes
Copper ethernet cabling technology	2.5GBASE-T, 100BASE-T, 1000BASE-T
Port mirroring	Yes
Policy-based routing	Yes
Routing entries	64
Broadcast storm control	Yes

Rate limiting	Yes
Virtual LAN features	IP subnet–based VLAN, Policy-based VLAN, Port-based VLAN, Private VLAN, Protocol-based VLAN, Voice VLAN
	Power
Power source	AC/PoE
Power supply included	Yes
AC input voltage	100 - 240 V
AC input frequency	50/60 Hz
DC input voltage	50 - 57 V
Power consumption (max)	1519.1 W
	Multicast features
Multicast support	Yes
	Certificates
Compliance certificates	BSMI, Low Voltage Directive (LVD), RoHS
Certification	FCC Part 15 (Class A) CE EMC (Class A) BSMI EMC
	Security
DHCP features	DHCP Option 60, DHCP Option 82, DHCP client, DHCP relay, DHCP server, DHCP snooping, DHCPv6 relay, DHCPv6 snooping
IGMP snooping	Yes
IGMP proxy	Yes
Security algorithms	SNMP, SNMPv2, SNMPv3
Static port security	Yes
SSH/SSL support	Yes
BPDU filtering/protection	Yes
IP-MAC-Port binding	Yes
Authentication	Guest VLAN, MAC-based authentication
Authentication type	IEEE 802.1x, NAC SSH V2.0, RADIUS, TACACS+
	Operational conditions
Operating temperature (T-T)	-20 - 50 °C
Storage temperature (T-T)	-40 - 70 °C
Operating relative humidity (H-H)	5 - 95%
Storage relative humidity (H-H)	5 - 95%
Heat dissipation	2856 BTU/h
	Weight & dimensions
Width	441 mm
Depth	330 mm
Height	44 mm
Weight	4.53 kg

	Performance
Internal memory	1000 MB
Flash memory	64 MB
Noise level	48.85 dB
Mean time between failures (MTBF)	554612.62 h
	Protocols
GARP VLAN Registration Protocol (GVRP)	Yes
IPv4 & IPv6 features	Dual stack IPv4/IPv6, ICMPv6, IPv6 Path MTU Discovery, IPv6 Telnet
	Packaging data
Package width	580 mm
Package depth	503 mm
Package height	95 mm
Package weight	6.81 kg