



XGS-5008

8-Port 10GbE Web Smart Switch

The Edimax Pro GS-5008 is a web-smart switch with 8-port 10GbE. High-speed 10GbE networks are no longer a platform that only large enterprises can afford. The increasing adoption of 10GbE NIC adapters by server and storage vendors is opening up the opportunity for 10GbE connectivity deployment for customers of all sizes – and the XGS-5008 features standard 1U rack-mount brackets for integration with the most widely-used mounting systems on the market. The XGS-5008 is a superb choice to boost your network environment's performance and efficiency.

Smart Tools for Improved Network Efficiency

The XGS-5008 features smart network monitoring tools that allow for improved network efficiency. Security and management features include bandwidth control and VLAN (IEEE 802.1Q VLAN tagging and port-based VLAN). Using its web-based interface, administrators can set up VLANs to segregate traffic and configure link aggregation settings to create fat traffic pipelines. Additionally, these features offer extra protection on the network edge and the password-protected configuration interface can be accessed remotely.

Leverage Existing Infrastructure

A simpler and cost effective upgrade path to 10-Gigabit Ethernet thanks to backwards compatibility with Fast Ethernet and Gigabit networks using existing Cat 5e. Simply upgrade to Cat 6a and-above cabling to leverage 10GbE connectivity, with Cat 6 twisted pair networks also able to benefit from and leverage 10GbE Copper over shorter distances of up to 37M (with AXTLK) or 55M (without AXTLK). With an existing network infrastructure running Cat 6a or Cat 7 cabling, customers can benefit from higher-grade copper wiring than Cat 5e – supporting higher bandwidth requirements for 10GbE Copper up to 100m using RJ45 connectors.

Extend Support for Converged Environments

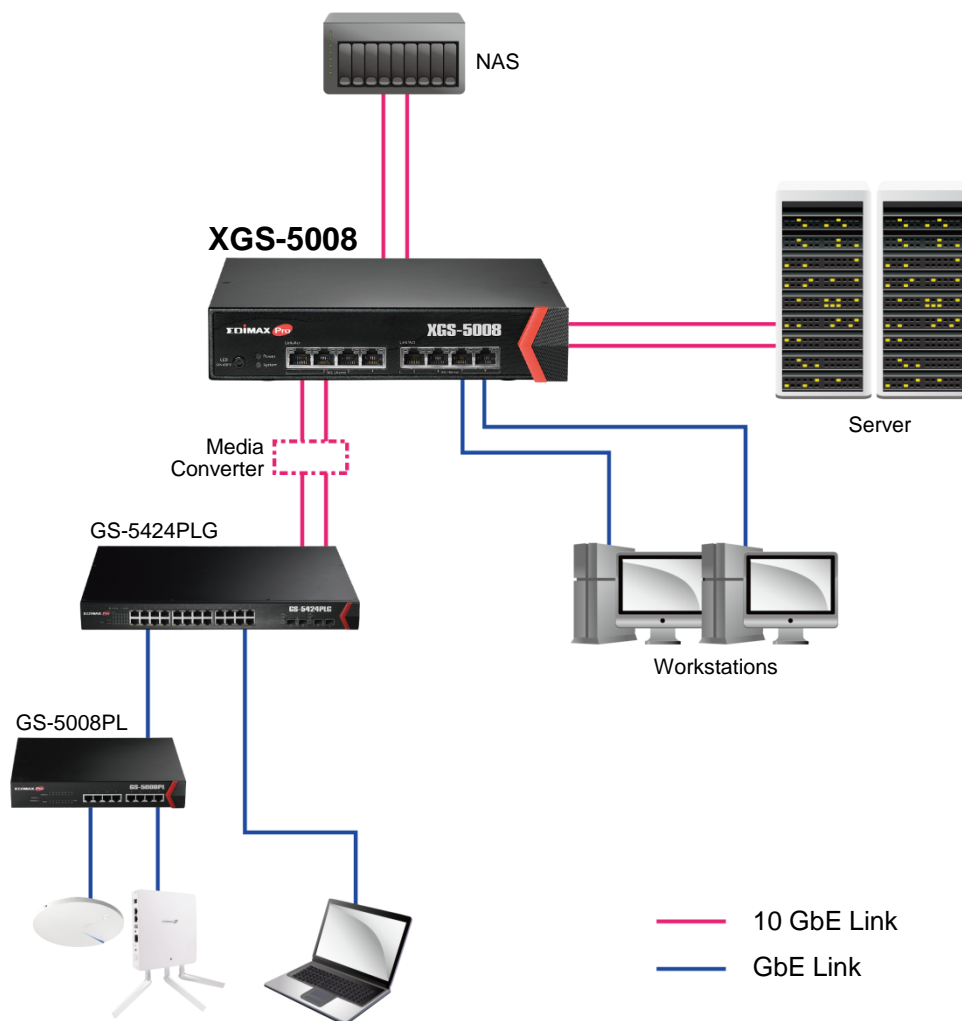
Increasing demand for bandwidth that supports intensive applications, with growing data consumption and widespread server/storage visualization adoption, is driving network bottlenecks upwards so much that 10 Gigabit solutions are more critical than ever before. The rise in video and mobile data alone is straining Gigabit networks as more devices, users and content demand bandwidth. Over 90 percent of servers are now shipping with 10GbE port options, with data usage growing almost double every two years. 10GbE delivers an affordable price point for SMBs and larger enterprises with constantly evolving networking demands. Servers, workstations, storage and switching can now leverage the potential of 10GbE easier than ever before.

8-Port 10GbE Web Smart Switch

KEY FEATURES

- Eight 10 Gigabit Ethernet ports
- Auto fault-detection on over/under current & voltage
- Access Control List (ACL) support
- Switch capacity:160Gbps & Forwarding rate:119Mpps
- Supports IEEE802.1p QoS with 8 priority queues
- IEEE 802.1Q-based VLAN for network segmentation to improve performance and security
- Supports IPv4/IPv6 network operation
- IGMP Snooping V1 / V2 support
- 16K MAC address table and jumbo frame support up to 9KB
- 1U rack-mount/desktop steel case

APPLICATION DIAGRAM



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SPECIFICATIONS

Hardware	
Ports	8 x RJ45 10GbE ports 1 x RJ45 console port 1 x 12VDC power connector
Transmission Method	Store and forward
Buttons	Reset button LED On/Off
LED Indicators	Power System Per Port: Link/Act Per Unit: Power
Power Supply	12 VDC / 3.5A 100-240VAC 50/60hz
Max. Power Consumption	24W
Dimensions (L x W x H)	210 x 160 x 44 mm
Weight	1.04kg
Performance	
Switching Capacity	160Gbps
Forwarding Rate	119Mpps
MAC Address	16K
Buffer Memory	16M
Jumbo Frames	9KB
Filtering/Forwarding Rates	10000Mbps port - 14,880,000pps 1000Mbps port - 1,488,000pps 100Mbps port - 148,800pps
Smart Features	
VLAN	Up to 16 VLANs and 4094 VLAN IDs 802.1Q tag-based VLAN Port-based VLAN
Port Trunking	Support Trunk-Static trunk up to 4 trunk groups
IGMP Snooping	IGMP v1/v2 snooping
Mirror	Port mirroring both on ingress and egress traffic
Management	User interface: Web-based management / CLI (Command Line Interface) User account: Login account configuration Firmware upgrade: Firmware upgrade by WEB Loop detection Cable diagnostics
Security	Rate limit: Rate limit on ingress and egress traffic Storm control Access control
Environment	
Temperature	Operating: 0 ~ 50°C Storage: -40 ~ 70°C
Humidity (Non-condensing)	Operating: 10 ~ 90% Storage: 5 ~ 90%
Standards Compliance	
Standards	IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTX Fast Ethernet IEEE 802.3ab 1000BaseT Gigabit Ethernet IEEE 802.3z 1000BASE-X Gigabit Ethernet IEEE 802.3an 10GBase-T 10 Gigabit Ethernet IEEE 802.3x Full-duplex and flow control IEEE 802.1Q Virtual LANs VLANs IEEE 802.1P QoS Port-Based IEEE 802.3az Energy-Efficient Ethernet
Certifications	FCC Class A, CE

Maximum performance, actual data rates, and coverage will vary depending on network conditions and environmental factors. Product specifications and design are subject to change without notice.
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