SOPHOS

Sophos Firewall

Powerful Protection and Performance

Sophos Firewall and the XGS Series appliances with dedicated Xstream Flow Processors enable the ultimate in application acceleration, high-performance TLS inspection, and powerful threat protection.



Powerful Protection and Performance

The Sophos Firewall Xstream architecture is engineered to deliver extreme levels of visibility, protection, and performance to help address some of the greatest challenges facing network administrators today.

TLS 1.3 Inspection

According to the latest statistics, approximately 90% of web traffic is encrypted, making it invisible to most firewalls. An increasing amount of malware and potentially unwanted apps exploit the fact that organizations are simply not using SSL inspection. Network administrators' main fears are that SSL inspection will have a performance impact or cause something to break, impacting the user experience.

Sophos Firewall removes the blind spots caused by encrypted traffic by allowing you to use SSL inspection while maintaining performance efficiency.

Deep Packet Inspection

We believe you should never have to decide between security and performance. Sophos Firewall includes a high-speed deep packet inspection (DPI) engine to scan your traffic for threats without a proxy slowing down the process. The firewall stack can completely offload the processing to the DPI engine, significantly reducing latency and so improving overall efficiency.

Sophos Firewall blocks the latest ransomware and breaches with high-performance streaming DPI including next-gen IPS, web protection, and app control, as well as deep learning and sandboxing powered by SophosLabs Intelix.

Application Acceleration

A significant portion of your network traffic is important business application traffic destined for branch offices, remote users, or cloud application servers. This trusted traffic, which needs no additional security scanning for threats or malware, can be intelligently directed to the FastPath, reducing latency, and optimizing overall performance. This provides added capacity and headroom for traffic that does need deep packet inspection.

Sophos Firewall accelerates your SaaS, SD-WAN, and cloud traffic such as VoIP, video, and other trusted applications automatically or via your own policies - putting them on the FastPath through the new Xstream Flow Processors.



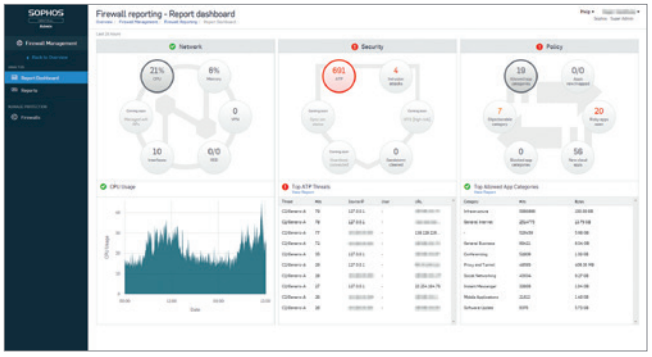
Sophos Central

Sophos Central is at the heart of everything we do. Our cloud management platform provides a single pane of glass to not only manage your firewalls, but also your full portfolio of Sophos security solutions.

Central Management



Central Reporting



Simply manage multiple firewalls

Sophos Central is the ultimate cloud management platform for all your Sophos products. It makes day-to-day setup, monitoring, and management of your Sophos Firewall easy. It also provides helpful features such as alerting, backup management, one-click firmware updates and rapid provisioning of new firewalls.

- Manage all your Sophos Firewalls and other Sophos products from a single console
- Configure changes and apply them to a group of firewalls or manage each firewall individually
- Create a backup schedule and store up to five backups in the cloud
- Schedule firmware updates across your entire network with just a few clicks

Central Management is available at no extra cost.

Firewall Reporting in the cloud

Sophos Central includes powerful reporting tools that enable you to visualize your network, web, application activity, and security over time. You get a flexible reporting experience that combines a variety of built-in reports with powerful tools to create your own custom reports, enabling you to report what you want how you want.

- Increase your visibility into network activity through analytics
- Analyze data to identify security gaps, suspicious user behavior or other events requiring policy changes
- Use the pre-defined modules or customize each report for specific use cases

Central Reporting is available at no extra cost for the storage of up to 7 days of report data. Premium options with longer data retention and additional features are available for optional purchase, either individually or as part of other subscriptions/bundles.

Zero-Touch Deployment

Using Sophos Central, you can create a configuration for a Sophos Firewall which you can then deploy at your convenience – for example, at a remote site. There is no need for technical staff on-site. Simply provide the configuration file, store it on a USB key, and boot the appliance with the USB key connected.

Learn more about the Sophos Central Ecosystem at sophos.com/firewall-central.

Synchronized Security

Security Heartbeat™: Your firewall and your endpoints are finally talking

Sophos Firewall is the only network security solution that is able to fully identify the user and source of an infection on your network, and automatically limit access to other network resources in response. This is made possible with our unique Sophos Security Heartbeat that shares telemetry and health status between Sophos endpoints and your firewall and integrates endpoint health into firewall rules to control access and isolate compromised systems.

The good news is, this all happens automatically, and is successfully helping numerous businesses and organizations to save time and money in protecting their environments today.

Synchronized Application Control

Using Security Heartbeat, we can do much more than just see the health status of an endpoint. We also have a solution to one of the biggest problems most network administrators face today - lack of visibility into network traffic.

Synchronized Application Control utilizes the Heartbeat connections with Sophos endpoints to automatically identify, classify, and control application traffic. All encrypted, custom, evasive, and generic HTTP or HTTPS applications which are currently going unidentified will be revealed.

What Next-Gen Firewalls See Today

What Sophos Firewall Sees



You can't control what you can't see. All firewalls today depend on static application signatures to identify apps. But those don't work for most custom, obscure, evasive, or any apps using generic HTTP or HTTPS.

Sophos Firewall utilizes Synchronized Security to automatically identify, classify, and control all unknown applications easily blocking the apps you don't want and prioritizing the ones you do.

Lateral Movement Protection

Lateral Movement Protection automatically isolates compromised systems at every point in the network to stop attacks dead in their tracks. Healthy endpoints assist by ignoring all traffic from unhealthy endpoints, enabling complete isolation, even on the same network segment, to prevent threats and active adversaries from spreading or stealing data.

Synchronized User ID

User authentication is critically important in a next-generation firewall but often challenging to implement in a seamless and transparent way. Synchronized User ID eliminates the need for client or server authentication agents by sharing user identity between the endpoint and the firewall through Security Heartbeat. It's just another great benefit of having your firewall and endpoints integrated and sharing information.

Synchronized SD-WAN: Powerful, reliable application routing

Synchronized SD-WAN harnesses the power of Synchronized Security to optimize WAN path selection for your important business applications.

With Synchronized Application Control, discovered applications, which would otherwise be unknown, can be used for traffic matching criteria in SD-WAN routing policies. This is yet another way that Synchronized Security can improve the efficiency of your network.

Powerful Protection

See it. Stop it. Secure it.

Our comprehensive next-generation firewall protection has been built to expose hidden risks, block both known and unknown threats, and automatically respond to incidents.

Exposes hidden risks

Superior visibility into unknown applications, risky activity, suspicious traffic, and advanced threats helps you regain control of your network and get deeper insights.

Blocks unknown threats

Powerful next-gen protection technologies like deep learning and intrusion prevention keep your organization secure from the latest hacks and attacks.

Automatically responds to incidents

Synchronized Security automatic threat response instantly identifies and isolates compromised systems on your network to prevent breaches and lateral movement.



Xstream Protection - A Single Bundle For Ultimate Protection

Sophos Firewall's Xstream Protection bundle provides all the next-gen protection, performance and value you need to power even the most demanding networks. Also available with the XGS Series model of your choice included.

Base Firewall Features

- **Networking and SD-WAN:** Wireless, SD-WAN, Application Aware Routing, Traffic Shaping
- **Protection and Performance:** Xstream Architecture with Network Flow FastPath, TLS 1.3 Inspection, Deep-Packet Inspection
- **VPN:** IPsec/SSL Site-to-Site and Remote Access VPN (unlimited), Sophos SD-RED Site-to-Site VPN
- **Reporting:** Historical on-box logging and reporting, Sophos Central cloud reporting (seven-day data retention)

Network Protection

- **Xstream TLS Inspection:** TLS 1.3 inspection with pre-packaged exceptions
- **Xstream DPI engine:** streaming deep-packet inspection
- **IPS:** Next-gen Intrusion Prevention
- **ATP:** Advanced Threat Protection
- **Synchronized Security Heartbeat:** integration with Sophos Endpoints to identify and isolate threats
- **Clientless VPN:** HTML5
- **SD-RED VPN:** Manage SD-RED devices
- **Reporting:** Extensive network and threat reporting

Web Protection

- **Xstream TLS Inspection:** TLS 1.3 inspection with pre-packaged exceptions
- **Xstream DPI engine:** streaming deep-packet inspection
- **Web Control:** by user, group, category, URL, keyword
- **Web Threat Protection:** malware, PUA, malicious JavaScript, Pharming
- **App Control:** by user, group, category, risk, and more
- **Synchronized App Control:** integration with Sophos endpoints to identify unknown apps
- **Synchronized SD-WAN:** utilizing Synchronized App Control to route unknown apps
- **Reporting:** Extensive web and app reporting

Zero-Day Protection

- **Xstream TLS Inspection:** TLS 1.3 inspection with pre-packaged exceptions
- **Xstream DPI engine:** streaming deep-packet inspection
- **Zero-Day Threat Protection:** analyze all unknown files using AI, ML, and sandboxing
- **Powered by SophosLabs Intelix:** cloud-based intelligence and analysis
- **Machine Learning:** using multiple deep learning models
- **Cloud Sandboxing:** dynamic run-time analysis of unknown files
- **Reporting:** Extensive threat intelligence analysis reporting

Sophos Central Management

- **Group Firewall Management:** Synchronized policy across firewall groups
- **Backup and firmware updates:** storage and scheduling
- **Zero-touch deployment:** for new firewalls from the cloud

Sophos Central Orchestration

- **SD-WAN Orchestration:** Point and click Site-to-Site VPN Orchestration
- **Cloud Firewall Reporting:** Multi-firewall reporting with save, schedule and export reports (30-day data retention)
- **XDR and MTR Ready:** Support for XDR and MTR services

Enhanced Support

All Licensing Options

We recommend the Xstream Protection bundle for the ultimate in security, but if you prefer to customize your protection, all subscriptions are also available for individual purchase.

Xstream Protection Bundle:	
Base License	Networking, Wireless, Xstream Architecture, Unlimited Remote Access VPN, Site-to-Site VPN, reporting
Network Protection	Xstream TLS and DPI engine, IPS, ATP, Security Heartbeat, SD-RED VPN, reporting
Web Protection	Xstream TLS and DPI engine, Web Security and Control, Application Control, reporting
Zero-Day Protection	Machine Learning and Sandboxing File Analysis, reporting
Central Orchestration	SD-WAN VPN Orchestration, Central Firewall Advanced Reporting (30-days), MTR/XDR ready
Enhanced Support	24/7 support, feature updates, advanced replacement hardware warranty for term

Custom Protection: If you only require basic protection or want to customize your protection, you can choose the Standard Protection Bundle or purchase any of the protection modules separately.

Standard Protection Bundle:	
Base License	Networking, wireless, Xstream Architecture, unlimited Remote Access VPN, Site-to-Site VPN, reporting
Network Protection	Xstream TLS and DPI engine, IPS, ATP, Security Heartbeat, SD-RED VPN, reporting
Web Protection	Xstream TLS and DPI engine, Web Security and Control, Application Control, reporting
Enhanced Support	24/7 support, feature updates, advanced replacement hardware warranty for term

Additional Protection Modules:	
Email Protection	On-box antispam, AV, DLP, encryption
Web Server Protection	Web Application Firewall

Sophos Central Management and Reporting: All Sophos Firewalls include cloud management and reporting at no extra charge.

Sophos Central Management and Reporting (included at no charge):	
Sophos Central Management	Group firewall management, backup management, firmware update scheduling
Sophos Central Firewall Reporting	Prepackaged and custom report tools with seven days cloud storage for no extra charge (see other options)

Additional Protection: Extend your protection further with these additional products and services.

Additional Protection Services, Products and Modules:	
Managed Threat Response	24/7 threat hunting, detection and response delivered by an expert team (more info)
Sophos Intercept X Endpoint with XDR	Sophos Central managed next-gen endpoint protection with EDR (more info)
ZTNA	Sophos Central managed Zero Trust Network Access (more info)
Central Email Advanced	Sophos Central managed antispam, AV, DLP, encryption (more info)

Support: Enhanced support is included in all protection bundles, but you can enhance your support experience further by upgrading.

Additional Support Options:	
Enhanced Plus Support Upgrade	Upgrade your support with VIP support, HW warranty for add-ons, TAM option (extra cost)

Cloud, Virtual and Software Appliance Licensing Options: If you're deploying Sophos Firewall in the cloud, in a virtual environment, or as software on your own hardware, the licensing guide below can help you find the right option.

Model	*Equivalent AWS instance*	*Equivalent Azure VM*	*Software/ Virtual License**
XGS 87(w)	t3.medium	-	2C4
XGS 107(w)	c5.large	Standard_ F2s_v2	-
XGS 116(w)	-	-	4C6
XGS 2100	c5.xlarge	-	-
XGS 2300	m5.xlarge	Standard_ F4s_v2	6C8
XGS 3100	c5.2xlarge	Standard_ F8s_v2	8C16
XGS 4300	c5.4xlarge	Standard_ F16s_v2	16C24
XGS 5500	c5.9xlarge	Standard_ F32s_v2	Unlimited

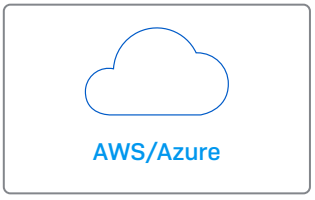
* Based upon CPU cores and RAM

For a complete list of features included in each protection subscription see the Sophos Firewall Feature List.

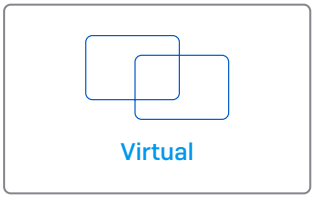
Deployment Options



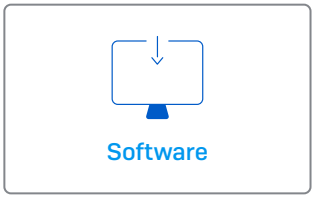
Purpose-built devices to provide the ultimate in performance.



Protect your network infrastructure in the AWS or Azure cloud.



Install on VMware, Citrix, Microsoft Hyper-V, and KVM.



Install the Sophos Firewall OS image on your own Intel hardware or server.

Cloud

Sophos Firewall offers the very best network visibility, protection, and response to secure your public, private, and hybrid cloud environments.

As an AWS Advanced Technology Partner, Sophos is a validated AWS Security Competency vendor, AWS marketplace seller, and AWS Public Sector Partner.

Sophos Firewall is available in the AWS marketplace with a pay-as-you-go (PAYG) license model, or bring your own license (BYOL) to best fit your needs.

Azure

Sophos Firewall is certified and optimized for Azure and is available in the Microsoft Azure Marketplace. Take advantage of the free test drive or the flexible PAYG or BYOL licensing options.

NUTANIX

Sophos Firewall is Nutanix AHV and Nutanix Flow Ready, bringing the world's best next-gen firewall visibility, protection, and response to the industry's leading Hyper Convergence Infrastructure (HCI) platform. Take advantage of a 30-day free trial using our KVM image and flexible licensing.

Virtual and Software

Sophos Firewall supports a broad range of virtualization platforms and can also be deployed as a software appliance on your own x86 Intel hardware:

vmware

Microsoft Hyper-V

KVM

citrix

x86

See the Licensing section for the available licensing options.

Protection Modules

You can choose from a number of modules to customize the protection offered by your firewall to your individual needs and deployment scenario.

Base Firewall

The Sophos Firewall Base license includes the Xstream Architecture, networking, wireless, SD-WAN, VPN, and reporting.

Xstream Architecture

Enables high performance TLS 1.3 inspection, deep-packet inspection, and network flow FastPath to accelerate trusted SaaS, SD-WAN, and cloud application traffic. Note that Network and Web Protection are required to get the full benefits of the Xstream Architecture.

Networking and SD-WAN

Includes networking, routing, and SD-WAN capabilities with zone-based stateful firewall, NAT, VLAN support, multiple WAN link options with SD-WAN routing, fail-over, and fail-back.

Secure Wireless

Built-in wireless controller for Sophos APX wireless access points. Plug-and-play access point discovery makes setup easy. Support for multiple SSIDs, hotspots, guest networks, and the diverse encryption and security standards.

VPN

Provides standards-based site-to-site and remote access VPN (free up to the capacity of the firewall) with support for IPsec and SSL. Sophos Connect remote access VPN client for Windows and Macs offers seamless and easy deployment and configuration options. Sophos unique SD-RED layer 2 site-to-site tunnels offers a light-weight robust VPN alternative.

Reporting

Extensive on-box reporting provides valuable insights into threats, users, applications, web activity, and much more. Note that specific reporting functionality may be dependent on other protection modules to get the full benefits (for example, Web Protection or web and app reports).

The Base Firewall is included with every appliance.

Network Protection

All the protection you need to stop sophisticated attacks and advanced threats while providing secure network access to those you trust.

Next-Gen Intrusion Prevention System

Provides advanced protection from all types of modern attacks. It goes beyond traditional server and network resources to protect users and apps on the network as well.

Security Heartbeat

Creates a link between your Sophos Central protected endpoints and your firewall to identify threats faster, simplify investigation, and minimize impact from attacks. Easily incorporate Heartbeat status into firewall policies to automatically isolate compromised systems.

Advanced Threat Protection

Instant identification and immediate response to today's most sophisticated attacks. Multi-layered protection identifies threats instantly and Security Heartbeat provides an emergency response.

Advanced VPN technologies

Adds unique and simple VPN technologies, including our clientless HTML5 self-service portal that makes remote access incredibly simple or utilize our exclusive light-weight secure SD-RED (Remote Ethernet Device) VPN technology.

Network Protection is included in the Xstream and Standard Protection bundles and is also available for separate purchase.

Web Protection

Unmatched visibility and control over all your user's web and application activity.

Powerful user and group web policy

Provides enterprise-level Secure Web Gateway policy controls to easily manage sophisticated user and group web controls. Apply policies based upon uploaded web keywords indicating inappropriate use or behavior.

Application Control and QoS

Enables user-aware visibility and control over thousands of applications with granular policy and traffic-shaping (QoS) options based on application category, risk, and other characteristics. Synchronized Application Control automatically identifies all the unknown, evasive, and custom applications on your network.

Advanced Web Threat Protection

Backed by SophosLabs, our advanced engine provides the ultimate protection from today's polymorphic and obfuscated web threats. Innovative techniques like JavaScript emulation, behavioral analysis, and origin reputation help keep your network safe.

High-performance traffic scanning

Optimized for top performance, our Xstream SSL inspection provides ultra-low latency inspection and HTTPS scanning while maintaining performance.

Web Protection is included in the Xstream and Standard Protection bundles and is also available for separate purchase.

Zero-Day Protection

AI-driven static and dynamic file analysis techniques combine to bring unprecedented threat intelligence to your firewall and so effectively identify and block ransomware and other known and unknown threats.

Powered by SophosLabs

Powered by the industry-leading SophosLabs, the Zero-Day Protection subscription includes a fully cloud-based threat intelligence and threat analysis platform. This provides deep learning-based file analysis, detailed analysis reporting, and a threat meter to show the risk summary for a file.

We use layers of analytics to identify known and potential threats, reduce unknowns, and derive verdicts and intelligence reports for the most commonly used file types.

Static File Analysis

By harnessing the power of multiple machine learning models, global reputation, deep file scanning, and more, you can quickly identify threats without the need to execute the files in real time.

Dynamic File Analysis

Execute a file in a secure cloud-based sandbox to observe its behavior and intent. Screenshots provide added insight into any key events during the analysis.

Threat Intelligence Analysis Reporting

Rich intelligence reports provide you with much more than just a 'good,' 'bad,' or 'unknown' verdict. Full insight into the nature and capabilities of a threat are delivered through the use of data science and SophosLabs research.

Zero-Day Protection is included in the Xstream Protection bundle and is also available for separate purchase.

Central Orchestration

Sophos Central cloud-managed VPN orchestration, firewall reporting, and MTR/XDR integration.

Sophos Central VPN Orchestration

Makes VPN orchestration easy. Wizard-based tunnel configuration helps create full mesh networks, hub-and-spoke models, or complex tunnel setups between multiple firewalls a quick point-and-click exercise. Seamlessly integrates multiple WAN link and SD-WAN functionality and routing optimizations to improve resilience and performance and also integrates with user authentication and Synchronized Security Heartbeat to control access.

Central Firewall Reporting Advanced (30-day)

Cloud-based reporting with several pre-packaged common reports for threats, compliance, and user activity. Includes advanced options for creating custom reports and views with the option to save, schedule or export your custom reports. Includes 30 days of log data retention with the option to add additional storage for additional historical reporting needs.

MTR/XDR Ready

Sophos MTR provides optional 24/7 threat hunting, detection and response delivered by an expert team as a fully-managed service. Sophos XDR offers extended detection and response managed by your own team. Regardless of whether you manage it yourself, or Sophos manages it for you, your Sophos Firewall is ready to share the necessary threat intelligence and data to the cloud.

Central Orchestration is included in the Xstream Protection bundle and is available for separate purchase.

Email Protection

Consolidate your email protection with anti-spam, DLP, and encryption. We recommend Sophos Central Email Advanced for the best cloud-based email protection solution. If you require on-box email protection, this module offers essential anti-spam, DLP and encryption.

Integrated Message Transfer Agent

Ensures always-on business continuity for your email, allowing the firewall to automatically queue mail in the event servers become unavailable.

Live Anti-Spam

Provides protection from the latest spam campaigns, phishing attacks, and malicious attachments.

Self-serve Quarantine

Gives employees direct control over their spam quarantine, saving you time and effort.

SPX Email Encryption

Unique to Sophos, SPX makes it easy to send encrypted email to anyone, even those without any kind of trust infrastructure, using our patent-pending password-based encryption technology.

Data Loss Prevention

Policy-based DLP can automatically trigger encryption or block/notify based on the presence of sensitive data in emails leaving the organization.

Email Protection is available for individual purchase only.

Web Server Protection

Harden your web servers and business applications against hacking attempts while providing secure access.

Business Application Policy Templates

Pre-defined policy templates let you protect common applications like Microsoft Exchange Outlook Anywhere or SharePoint quickly and easily.

Protection from the latest hacks and attacks

With a variety of advanced protection technologies including URL and form hardening, deep-linking and directory traversal prevention, SQL injection and cross-site scripting protection, cookie signing and more.

Reverse proxy

With authentication options, SSL offloading, and server load balancing ensure maximum protection and performance for your servers being accessed from the internet.

Web Server Protection is available for individual purchase only.

Sophos XGS Series Appliances

All XGS Series firewall appliances are built upon a dual-processor architecture, combining a high-performance, multi-core CPU with a dedicated Xstream Flow Processor for targeted acceleration at the hardware level. This gives you all the flexibility and adaptability of an x86 based firewall plus a significant performance boost over legacy firewall designs.

Product Matrix

Model		*Tech Specs*			*Throughput*			
	Form Factor	Ports/Slots (Max Ports)	w-model*	Swappable Components	Firewall (Mbps)	IPsec VPN (Mbps)	Threat Protection (Mbps)	Xstream SSL/TLS (Mbps)
XGS 87(w)	Desktop	5/- (5)	Wi-Fi 5	n/a	3,700	750	240	375
XGS 107(w)	Desktop	9/- (9)	Wi-Fi 5	Second power supply	7,000	900	330	420
XGS 116(w)	Desktop	9/1 (9)	Wi-Fi 5	Second power supply, 3G/4G, Wi-Fi**	7,700	1,100	685	650
XGS 126(w)	Desktop	14/1 (14)	Wi-Fi 5	Second power supply, 3G/4G, Wi-Fi**	10,500	1,800	900	800
XGS 136(w)	Desktop	14/1 (14)	Wi-Fi 5	Second power supply, 3G/4G, Wi-Fi**	11,500	2,500	1,000	950
XGS 2100	1U	10/1 (18)	n/a	Optional external power	30,000	3,000	1,250	1,100
XGS 2300	1U	10/1 (18)	n/a	Optional external power	35,000	3,500	1,400	1,450
XGS 3100	1U	12/1 (20)	n/a	Optional external power	38,000	5,200	2,000	2,470
XGS 3300	1U	12/1 (20)	n/a	Optional external power	40,000	6,500	2,770	3,130
XGS 4300	1U	12/2 (28)	n/a	Optional external power	75,000	9,800	4,800	8,000
XGS 4500	1U	12/2 (28)	n/a	Optional internal power	80,000	16,000	8,390	10,600
XGS 5500	2U	16/3 (48)	n/a	Power, SSD, Fan	100,000	21,600	12,390	13,500
XGS 6500	2U	20/4 (68)	n/a	Power, SSD, Fan	115,000	26,000	17,050	16,000

* 802.11ac

** Second Wi-Fi module option for XGS 116w, 126w and 136w only

Performance Test Methodology

General: Maximum throughput measured under ideal test conditions using industry standard Keysight-Ixia BreakingPoint test tools. Actual performance may vary depending on network conditions and activated services.

- **Firewall:** Measured using HTTP traffic and 512 KB response size.
- **Firewall IMIX:** UDP throughput based on a combination of 66 byte, 570 byte and 1518 byte packet sizes.
- **IPS:** Measured with IPS with HTTP traffic using default IPS ruleset and 512 KB object size.
- **IPsec VPN:** HTTP throughput using multiple tunnels and 512 KB HTTP response size.
- **TLS inspection:** Performance measured with IPS with HTTPS sessions and different cipher suites.
- **Threat Protection:** Measured with Firewall, IPS, Application Control, and malware prevention enabled using HTTP 200 KB response size.
- **NGFW:** Measured with IPS and Application Control enabled with HTTP traffic using default IPS ruleset and 512KB object size.

Need sizing help?

For further assistance in finding the right license or appliance for your needs, speak to your local Sophos sales team or partner. Sophos offers free sizing assistance and a Firewall Sizing Tool for partners via the Partner Portal.

Sophos XGS Series Desktop: SMB and Branch Office

Customers looking for an all-in-one network security solution will appreciate the seamless connectivity options available for our Desktop appliances. With the modularity that smaller businesses, retail outlets, and branch offices need, to grow and adapt to changing circumstances, they offer the perfect balance between price and performance. All Desktop models are optionally available with built-in Wi-Fi.

All models are powered by a high-speed CPU plus a dedicated Xstream Flow Processor for hardware acceleration.

Product Highlights

- Dual processor architecture for an excellent price to performance ratio
- Every model is available with optional integrated Wi-Fi for all-in-one connectivity
- An expansion bay on all XGS 116/126/136 models improves compatibility for 3G/4G when used with our optional module
- An optional second Wi-Fi radio module can be added to w-models with an expansion bay
- Power-over-Ethernet ports built in on all XGS 116, 126 and 136 models (2.5GE on 136)
- A second power supply option for all XGS 1xx models offers a redundancy option not always seen in this form factor
- The SFP port on all models can be used for FTTH/ FTTP or with the optional VDSL modem

Note: All protection features are supported on every XGS 1xx model and most on XGS 87 and 87w

Product Highlights

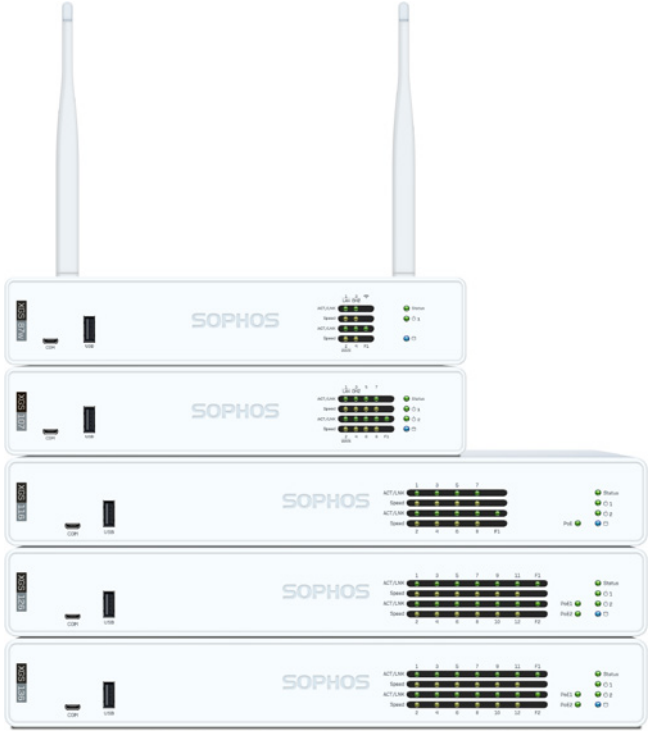
XGS 87 and XGS 87w
See detailed technical specifications

XGS 107, XGS 107w
See detailed technical specifications

XGS 116, XGS 116w
See detailed technical specifications

XGS 126, XGS 126w
See detailed technical specifications

XGS 136, XGS 136w
See detailed technical specifications

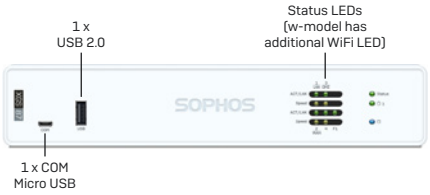


Sophos XGS Series Desktop: SMB and Branch Office
XGS 87 and XGS 87w

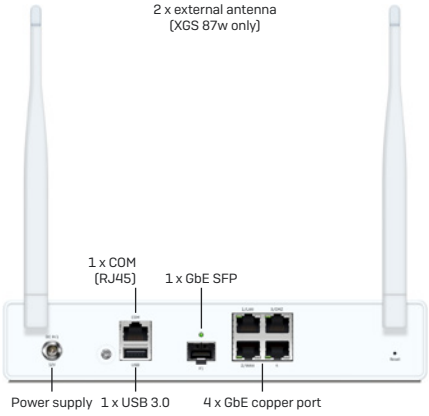
Technical Specifications

Note: The XGS 87 and 87w do not support some advanced features like on-box reporting, dual AV scanning, WAF AV scanning and the email message transfer agent (MTA) functionality. If you need these capabilities, the XGS 107(w) is recommended.

Front View



Back View



Physical specifications	
Mounting	Rackmount kit available (to be ordered separately)
Dimensions **Width x Height x Depth**	230 x 44 x 205.5 mm
Weight	1.36 kg/3 lbs (unpacked) 2.75 kg/6.06 lbs (packed) (w-model minimally more)

Environment	
Power supply	External auto-ranging AC-DC 100-240VAC, 1.7A@50-60 Hz 12VDC, 5A, 60W
Power consumption	23.2 W / 79.16 BTU/hr (87) (idle) 27.1 W / 92.13 BTU/hr (87w) (idle) 43.4 W / 148.09 BTU/hr (87) (max.) 46.8 W / 159.69 BTU/hr (87w) (max.)
Operating temperature	0°C to 40°C (operating) -20°C to +70°C (storage)
Humidity	10% to 90%, non-condensing

Product Certifications	
Certifications	CB, CE, UL, FCC, ISED, VCCI, CCC, KC, BSMI, NOM, Anatel (87 only)

Performance	*XGS 87(w)*
Firewall throughput	3,700 Mbps
Firewall IMIX	2,500 Mbps
Firewall Latency (64 byte UDP)	6 µs
IPS throughput	1,015 Mbps
Threat Protection throughput	240 Mbps
NGFW	700 Mbps
Concurrent connections	1,600,000
New connections/sec	35,700
IPsec VPN throughput	750 Mbps
Xstream SSL/TLS Inspection	375 Mbps
Xstream SSL/TLS **Concurrent connections**	8,192

Note: For performance testing methodology see page 11

Wireless Specification (XGS 87w only)	
No. of antennas	2 external
MIMO capabilities	2 x 2:2
Wireless interface	802.11a/b/g/n/ac (2.4 GHz / 5 GHz)

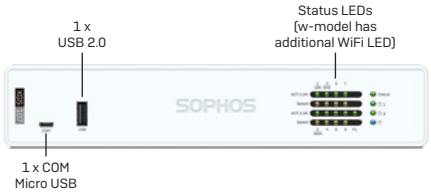
Physical interfaces	
Storage	16 GB eMMC
Ethernet interfaces (fixed)	4 x GbE copper 1 x SFP fiber*
Management ports	1 x COM RJ45 1 x Micro-USB (cable incl.)
Other I/O ports	1 x USB 2.0 (front) 1 x USB 3.0 (rear)
Number of expansion slots	0
Optional add-on connectivity	SFP DSL module (VDSL2) SFP transceivers

* SFP transceivers sold separately

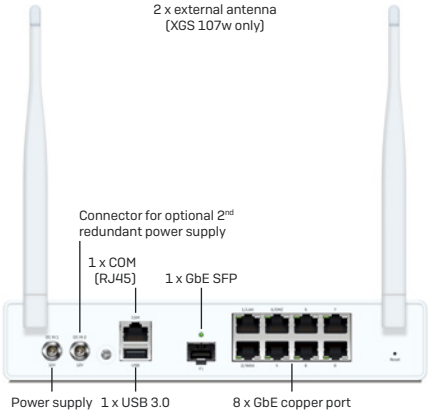
Sophos XGS Series Desktop: SMB and Branch Office
XGS 107, XGS 107w

Technical Specifications

Front View



Back View



Physical specifications	
Mounting	Rackmount kit available (to be ordered separately)
Dimensions **Width x Height x Depth**	230 x 44 x 205.5 mm
Weight	1.4 kg/3.09 lbs (unpacked) 2.8 kg/6.17 lbs (packed) (w-model minimally more)

Environment	
Power supply	External auto-ranging AC-DC 100-240VAC, 1.7A@50-60 Hz 12VDC, 5A, 60W Optional second redundant power supply
Power consumption	107: 26.1 W/89.06 BTU/hr (idle) 107w: 29.8 W/101.68 BTU/hr (idle) 107: 53.9 W/183.91 BTU/hr (max.) 107w: 57.3 W/195.52 BTU/hr (max.)
Operating temperature	0°C to 40°C (operating) -20°C to +70°C (storage)
Humidity	10% to 90%, non-condensing

Product Certifications	
Certifications	CB, CE, UL, FCC, ISED, VCCI, CCC, KC, BSMI, NOM, Anatel (107 only)

Performance	XGS 107(w)
Firewall throughput	7,000 Mbps
Firewall IMIX	2,900 Mbps
Firewall Latency (64 byte UDP)	6 µs
IPS throughput	1,355 Mbps
Threat Protection throughput	330 Mbps
NGFW	1,050 Mbps
Concurrent connections	1,600,000
New connections/sec	44,400
IPsec VPN throughput	900 Mbps
Xstream SSL/TLS Inspection	420 Mbps
Xstream SSL/TLS Concurrent connections	8,192

Note: For performance testing methodology see page 11

Wireless Specification (XGS 107w only)	
No. of antennas	2 external
MIMO capabilities	2 x 2:2
Wireless interface	802.11a/b/g/n/ac (2.4 GHz / 5 GHz)

Physical interfaces	
Storage **(local quarantine/logs)**	Integrated 64 GB SSD
Ethernet interfaces (fixed)	8 x GbE copper 1 x SFP fiber*
Management ports	1 x COM RJ45 1 x Micro-USB (cable incl.)
Other I/O ports	1 x USB 2.0 (front) 1 x USB 3.0 (rear)
Number of expansion slots	0
Optional add-on connectivity	SFP DSL module (VDSL2) SFP transceivers

* SFP transceivers sold separately

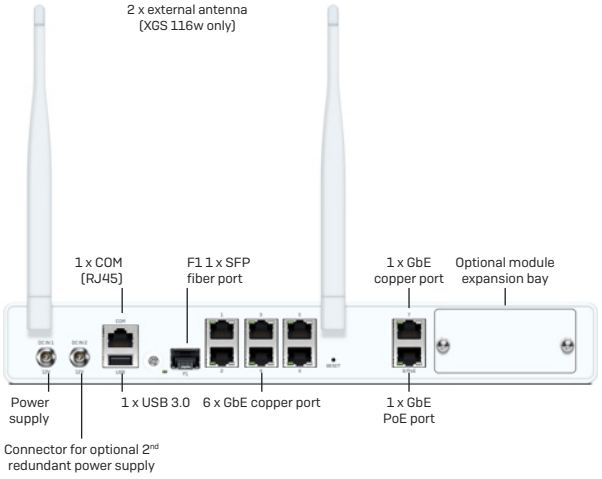
Sophos XGS Series Desktop: SMB and Branch Office
XGS 116, XGS 116w

Technical Specifications

Front View



Back View



Physical specifications	
Mounting	Rackmount kit available (to be ordered separately)
Dimensions Width x Height x Depth	320 x 44 x 213 mm
Weight	2.2 kg/4.85 lbs (unpacked) 4.2 kg/9.26 lbs (packed) (w-model minimally higher)

Environment	
Power supply	External auto-ranging AC-DC 100-240VAC, 2.5A@50-60 Hz 12VDC, 12.5A, 150W Optional second redundant power supply
Power consumption	116: 28 W/96 BTU/hr (idle) 116w: 30 W/102 BTU/hr (idle) 116: 57 W/195 BTU/hr (max.) 116w: 60 W/205 BTU/hr (max.)
PoE addition enabled	38 W/130 BTU/hr (max.)
Operating temperature	0°C to 40°C (operating) -20°C to +70°C (storage)
Humidity	10% to 90%, non-condensing

Product Certifications	
Certifications	CB, CE, UL, FCC, ISED, VCCI, CCC, KC, BSMI, NOM, Anatel

Performance	XGS 116(w)
Firewall throughput	7,700 Mbps
Firewall IMIX	3,500 Mbps
Firewall Latency (64 byte UDP)	8 µs
IPS throughput	2,000 Mbps
Threat Protection throughput	685 Mbps
NGFW	2,000 Mbps
Concurrent connections	1,600,000
New connections/sec	61,500
IPsec VPN throughput	1,100 Mbps
Xstream SSL/TLS Inspection	650 Mbps
Xstream SSL/TLS Concurrent connections	8,192

Note: For performance testing methodology see page 11

Wireless Specification (XGS 116w only)	
No. of antennas	2 external
MIMO capabilities	2 x 2:2
Wireless interface	Wi-Fi 5/802.11a/b/g/n/ac (2.4 GHz / 5 GHz)
Optional second Wi-Fi module	Wi-Fi 5/802.11a/b/g/n/ac

Physical interfaces	
Storage (local quarantine/logs)	Integrated 64 GB SSD
Ethernet interfaces (fixed)	8 GbE copper 1 GbE SFP*
Power-over-Ethernet (fixed)	1 x GbE 803.2at (30W max.)
Management ports	1 x COM RJ45 1 x Micro-USB (cable incl.)
Other I/O ports	1 x USB 2.0 (front) 1 x USB 3.0 (rear)
Number of expansion slots	1
Optional add-on connectivity	SFP DSL module (VDSL2) 3G/4G module Second Wi-Fi radio (XGS 116w only) SFP transceivers

* SFP transceivers sold separately

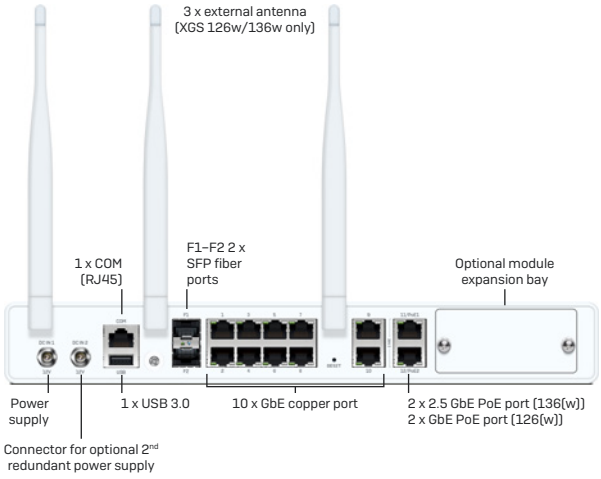
Sophos XGS Series Desktop: SMB and Branch Office
XGS 126, XGS 126w, XGS 136, XGS 136w

Technical Specifications

Front View



Back View



Physical specifications	
Mounting	Rackmount kit available (to be ordered separately)
Dimensions **Width x Height x Depth**	320 x 44 x 213 mm
Weight	2.4 kg/5.29 lbs (unpacked) 4.4 kg/9.70 lbs (packed) (w-model minimally higher)

Environment	
Power supply	External auto-ranging AC-DC 100-240VAC, 2.5A@50-60 Hz 12VDC, 12.5A, 150W Optional second redundant power supply
Power consumption	126/136: 30 W/102 BTU/hr (idle) 126w/136w: 32 W/109 BTU/hr (idle) 126: 59 W/202 BTU/hr (max.) 126w/136: 62 W/212 BTU/hr (max.) 136w: 65 W/222 BTU/hr (max.)
PoE addition enabled	76 W/260 BTU/hr (max.)
Operating temperature	0°C to 40°C (operating) -20°C to +70°C (storage)
Humidity	10% to 90%, non-condensing

Product Certifications	
Certifications	CB, CE, UL, FCC, ISED, VCCI, CCC, KC, BSMI, NOM, Anatel

Performance	XGS 126(w)	XGS 136(w)
Firewall throughput	10,500 Mbps	11,500 Mbps
Firewall IMIX	4,000 Mbps	4,700 Mbps
Firewall Latency (64 byte UDP)	8 µs	8 µs
IPS throughput	2,600 Mbps	3,300 Mbps
Threat Protection throughput	900 Mbps	1,000 Mbps
NGFW	2,500 Mbps	3,000 Mbps
Concurrent connections	5,000,000	6,400,000
New connections/sec	69,900	74,500
IPsec VPN throughput	1,800 Mbps	2,500 Mbps
Xstream SSL/TLS Inspection	800 Mbps	950 Mbps
Xstream SSL/TLS Concurrent connections	12,288	18,432

Note: For performance testing methodology see page 11

Wireless Specification (XGS 126w and XGS 136w only)	
No. of antennas	3 external
MIMO capabilities	3 x 3:3
Wireless interface	Wi-Fi 5/802.11a/b/g/n/ac (2.4 GHz / 5 GHz)
Optional 2nd Wi-Fi Module	Wi-Fi 5/802.11a/b/g/n/ac

Physical interfaces		
Storage **(local quarantine/logs)**	Integrated 64 GB SSD	
Ethernet interfaces (fixed)	12 x GbE copper 2 x SFP fiber*	10 x GbE copper 2 x 2.5 GbE copper 2 x SFP fiber*
Power-over-Ethernet (fixed)	2 x GbE (30W max. per port)	2 x 2.5 GbE (30W max. per port)
Management ports	1 x COM RJ45 1 x Micro-USB (cable incl.)	
Other I/O ports	1 x USB 2.0 (front) 1 x USB 3.0 (rear)	
Number of expansion slots	1	
Optional add-on connectivity	SFP DSL module (VDSL2) 3G/4G module Second Wi-Fi radio (XGS 126w/136w only) SFP transceivers	

* SFP transceivers sold separately

Sophos XGS Series 1U: Distributed Edge

Mid-sized and distributed organizations who need a versatile solution to power and protect their network will be well-served with our 1U models. These rackmount firewalls offer excellent performance, a diverse range of high-speed interfaces built-in, and a choice of add-on connectivity modules. Whether your priority is ensuring maximum uptime for your SD-WAN links, securely connecting your remote users, or protecting the network in a growing organization, you can tailor them to your dynamic environment.

All models are powered by a high-speed CPU plus a dedicated Xstream Flow Processor for hardware acceleration.

Product Highlights

- Dual processor architecture supports all key protection features without compromising performance
- Copper and fiber ports onboard
- LAN bypass ports on every model
- Modular Flexi Port expansion bay(s) on every model to adapt connectivity
- Second power supply option for all models
- Centrally powered PoE Flexi Port module option to provide redundant power for PoE devices
- Rackmount kit included

Product Highlights

XGS 2100
See detailed technical specifications

XGS 2300
See detailed technical specifications

XGS 3100
See detailed technical specifications

XGS 3300
See detailed technical specifications

XGS 4300
See detailed technical specifications

XGS 4300
See detailed technical specifications

Edge Connectivity:

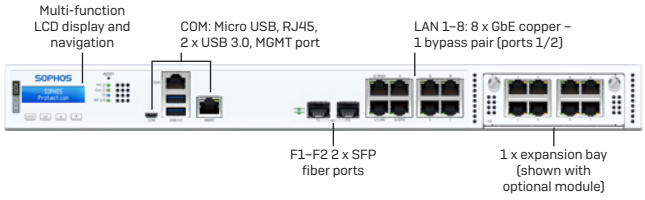
Securely connect your smaller offices or remote locations to your main office with Sophos SD-RED, Remote Ethernet Devices, or add Wi-Fi using our APX Series Access Points. Find out more at the end of this brochure.



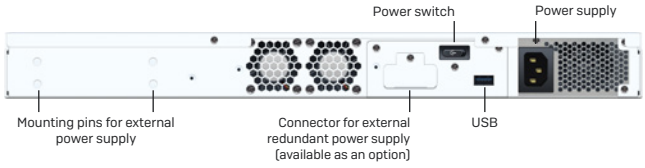
Sophos XGS Series 1U: Distributed Edge
XGS 2100, XGS 2300

Technical Specifications

Front View



Back View



Physical specifications	
Mounting	1U rackmount (2 rackmount ears included)
Dimensions **Width x Height x Depth**	438 x 44 x 405 mm
Weight	4.7 kg/10.36 lbs (unpacked) 7 kg/15.43 lbs (packed)

Environment	
Power supply	Internal auto-ranging DC 100-240VAC, 3-6A@50-60 Hz External Redundant PSU Option
Power consumption	2100: 43 W/146.86 BTU/hr (idle) 2300: 45 W/153.7 BTU/hr (idle) 2100: 162 W/533.5 BTU/hr (max.) 2300: 167 W/570.74 BTU/hr (max.)
PoE addition enabled	76 W/260 BTU/hr (max.)
Operating temperature	0°C to 40°C (operating) -20°C to +70°C (storage)
Humidity	10% to 90%, non-condensing

Product Certifications	
Certifications	CB, CE, UL, FCC, ISED, VCCI, CCC, KC, BSMI, RCM, NOM, Anatel

Performance	XGS 2100	XGS 2300
Firewall throughput	30,000 Mbps	35,000 Mbps
Firewall IMIX	15,900 Mbps	20,000 Mbps
Firewall Latency (64 byte UDP)	6 µs	4 µs
IPS throughput	5,800 Mbps	7,000 Mbps
Threat Protection throughput	1,250 Mbps	1,400 Mbps
NGFW	5,200 Mbps	6,300 Mbps
Concurrent connections	6,500,000	6,500,000
New connections/sec	134,700	148,000
IPsec VPN throughput	3,000 Mbps	3,500 Mbps
Xstream SSL/TLS Inspection	1,100 Mbps	1,450 Mbps
Xstream SSL/TLS Concurrent connections	18,432	18,432

Note: For performance testing methodology see page 11

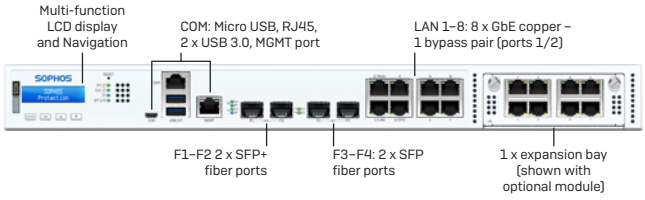
Physical interfaces	
Storage (local quarantine/logs)	Integrated min. 120 GB SATA-III SSD
Ethernet interfaces (fixed)	8 x GbE copper 2 x SFP fiber*
Bypass port pairs	1
Management ports	1 x RJ45 MGMT 1 x COM RJ45 1 x Micro-USB (cable incl.)
Other I/O ports	2 x USB 3.0 (front) 1 x USB 2.0 (rear)
Number of Flexi Port slots	1
Flexi Port modules (optional)	8 port GbE copper 8 port GbE SFP fiber 4 port 10GE SFP+ fiber 4 port GbE copper bypass (2 pairs) 4 port GbE copper PoE + 4 port GbE copper 4 port 2.5 GbE copper PoE 2 port GbE Fiber (LC) bypass + 4 port GbE SFP Fiber
Max. total port density (incl. use of modules)	18
Max. Power-over-Ethernet (using Flexi Port module)	1 module: 4 ports, 60W max.
Optional add-on connectivity	SFP DSL module (VDSL2) SFP/SFP+ Transceivers
Display	Multi-function LCD module

* Transceivers (mini GBICs) sold separately

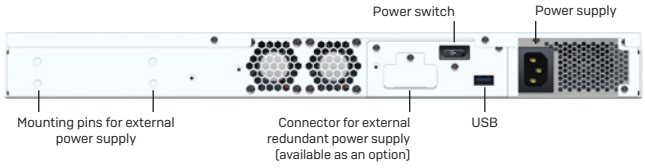
Sophos XGS Series 1U: Distributed Edge
XGS 3100, XGS 3300

Technical Specifications

Front View



Back View



Physical specifications	
Mounting	1U rackmount (2 rackmount ears included)
Dimensions **Width x Height x Depth**	438 x 44 x 405 mm
Weight	4.7 kg/10.36 lbs (unpacked) 7 kg/15.43 lbs (packed)

Environment	
Power supply	Internal auto-ranging DC 100-240VAC, 3-6A@50-60 Hz External Redundant PSU Option
Power consumption	3100: 50 W/170.77 BTU/hr (idle) 3300: 50 W/170.77 BTU/hr (idle) 3100: 182 W/621.97 BTU/hr (max.) 3300: 201 W/686.68 BTU/hr (max.)
PoE addition enabled	76 W/260 BTU/hr (max.)
Operating temperature	0°C to 40°C (operating) -20°C to +70°C (storage)
Humidity	10% to 90%, non-condensing

Product Certifications	
Certifications	CB, CE, UL, FCC, ISED, VCCI, CCC, KC, BSMI, RCM, NOM, Anatel

Performance	XGS 3100	XGS 3300
Firewall throughput	38,000 Mbps	40,000 Mbps
Firewall IMIX	22,000 Mbps	24,500 Mbps
Firewall Latency (64 byte UDP)	4 µs	4 µs
IPS throughput	9,820 Mbps	13,440 Mbps
Threat Protection throughput	2,000 Mbps	2,770 Mbps
NGFW	9,000 Mbps	12,500 Mbps
Concurrent connections	12,260,000	13,700,000
New connections/sec	186,500	257,800
IPsec VPN throughput	5,200 Mbps	6,500 Mbps
Xstream SSL/TLS Inspection	2,470 Mbps	3,130 Mbps
Xstream SSL/TLS Concurrent connections	55,296	102,400

Note: For performance testing methodology see page 11

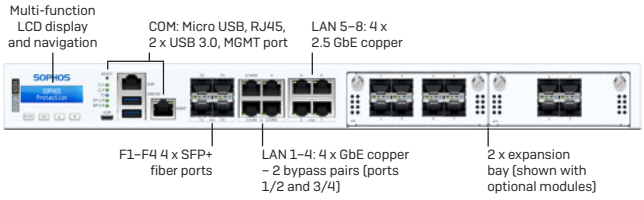
Physical interfaces	
Storage (local quarantine/logs)	Integrated min. 240 GB SATA-III SSD
Ethernet interfaces (fixed)	8 x GE copper 2 x SFP fiber* 2 x SFP+ 10 GbE fiber*
Bypass port pairs	1
Management ports	1 x RJ45 MGMT 1 x COM RJ45 1 x Micro-USB (cable incl.)
Other I/O ports	2 x USB 3.0 (front) 1 x USB 2.0 (rear)
Number of Flexi Port slots	1
Flexi Port modules (optional)	8 port GbE copper 8 port GbE SFP fiber 4 port 10 GbE SFP+ fiber 4 port GbE copper bypass (2 pairs) 4 port GbE copper PoE + 4 port GbE copper 4 port 2.5 GbE copper PoE 2 port GbE Fiber (LC) bypass + 4 port GbE SFP Fiber
Max. total port density (incl. use of modules)	20
Max. Power-over-Ethernet (using Flexi Port module)	1 module: 4 ports, 60W max.
Optional add-on connectivity	SFP DSL module (VDSL2) SFP/SFP+ Transceivers
Display	Multi-function LCD module

* Transceivers (mini GBICs) sold separately

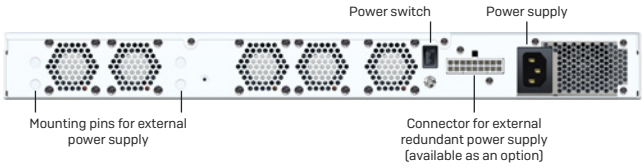
Sophos XGS Series 1U: Distributed Edge
XGS 4300, XGS 4500

Technical Specifications

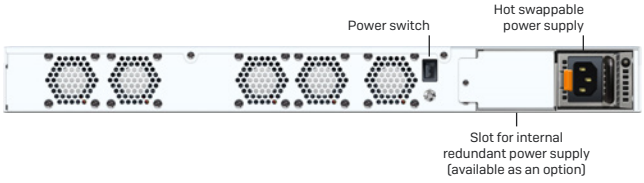
Front View



Back View XGS 4300



Back View XGS 4500



Physical specifications	
Mounting	1U rackmount (sliding rails incl.)
Dimensions Width x Height x Depth	438 x 44 x 510 mm
Weight	XGS 4300: 8.7 kg/19.18 lbs (unpacked) XGS 4500: 9.7 kg/21.38 lbs (unpacked XGS 4300: 14.9 kg/32.85 lbs (packed) XGS 4500: 15.9 kg/35.05 lbs (packed)

Environment	
Power supply	XGS 4300: Internal auto-ranging DC 100-240VAC, 3.7-7.4A@50-60 Hz External Redundant PSU Option XGS 4500: Internal Hot Swappable auto-ranging DC 100-240VAC, 3.7-7.4A@50-60 Hz Internal Redundant PSU Option
Power consumption	4300: 131 W/447.43 BTU/hr (idle) 4500: 151 W/515.74 BTU/hr (idle) 4300: 268.35 W/916.56 BTU/hr (max.) 4500: 268.35 W/916.56 BTU/hr (max.)
PoE addition enabled	152 W/519 BTU/hr
Operating temperature	0°C to 40°C (operating) -20 to +70°C (storage)
Humidity	10% to 90%, non-condensing

Product Certifications	
Certifications	CB, CE, UL, FCC, ISED, VCCI, CCC, KC, BSMI, RCM, NOM, Anatel

Performance	XGS 4300	XGS 4500
Firewall throughput	75,000 Mbps	80,000 Mbps
Firewall IMIX	33,000 Mbps	37,000 Mbps
Firewall Latency (64 byte UDP)	3 µs	4 µs
IPS throughput	25,000 Mbps	35,690 Mbps
Threat Protection throughput	4,800 Mbps	8,390 Mbps
NGFW	23,000 Mbps	30,000 Mbps
Concurrent connections	16,600,000	17,200,000
New connections/sec	368,000	450,000
IPsec VPN throughput	9,800 Mbps	16,000 Mbps
Xstream SSL/TLS Inspection	8,000 Mbps	10,600 Mbps
Xstream SSL/TLS Concurrent connections	276,480	276,480

Note: For performance testing methodology see page 11

Physical interfaces	
Storage (local quarantine/logs)	XGS 4300: 1 x min. 240 GB SATA-III SSD XGS 4500: 2 x min. 240 GB SATA-III SSD (SW RAID-1)
Ethernet interfaces (fixed)	4 x GbE copper 4 x 2.5 GbE copper 4 x SFP+ 10 GbE fiber*
Bypass port pairs	2
Management ports	1 x RJ45 MGMT 1 x COM RJ45 1 x Micro-USB (cable incl.)
Other I/O ports	2 x USB 3.0 (front)
Number of Flexi Port slots	2
Flexi Port modules (optional)	8 port GbE copper 8 port GbE SFP fiber 4 port 10 GbE SFP+ fiber 4 port GbE copper bypass (2 pairs) 4 port GbE copper PoE + 4 port GbE copper 4 port 2.5 GbE copper PoE 2 port GbE Fiber (LC) bypass + 4 port GbE SFP Fiber
Max. total port density (incl. use of modules)	28
Max. Power-over-Ethernet (using Flexi Port module)	2 modules: 4 ports, 60W max. each
Optional add-on connectivity	SFP DSL module (VDSL2) SFP/SFP+ Transceivers
Display	Multi-function LCD module

* Transceivers (mini GBICs) sold separately

Sophos XGS Series 2U: Enterprise Edge

Distributed and growing enterprises who require maximum throughput for even the most complex network get no-compromise protection, performance, and business continuity with these next-gen firewalls. The new Xstream Flow Processors provide dedicated hardware acceleration to easily handle full-on protection for today's encrypted, cloud-hosted applications and traffic. These models strike the perfect balance between port density and modularity, with a range of high-speed, built-in ports, plus additional high-density Flexi Port modules available to extend connectivity even further.

All models are powered by a high-speed CPU plus a dedicated Xstream Flow Processor for hardware acceleration.

Product Highlights

- Dual processor architecture with dedicated co-processor for hardware acceleration
- Built to power all key threat protection features such as TLS inspection, sandboxing and AI-driven threat analysis
- Excellent price to performance ratio
- A range of standard 1 GE copper plus 8 to 12 SFP+ 10 GbE fiber interfaces on-board
- Optional standard and high-density Flexi Port modules available to extend and adapt connectivity
- Maximum port density of 48 (XGS 5500) or 68 (XGS 6500) using optional modules
- Redundancy features on all models ensure business continuity

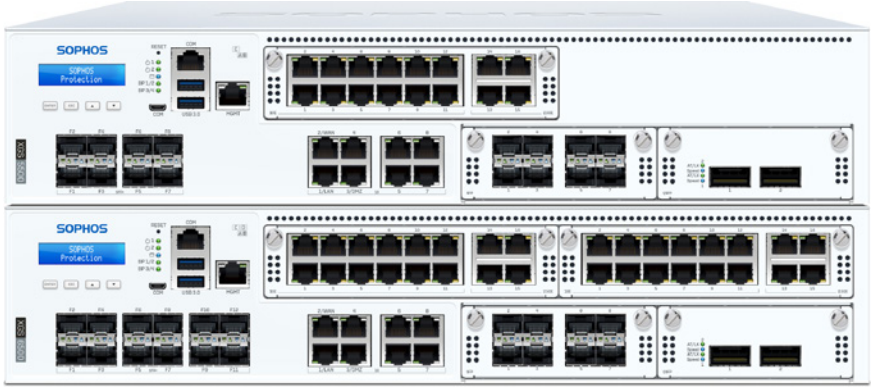
Product Highlights

XGS 5500

See detailed technical specifications

XGS 6500

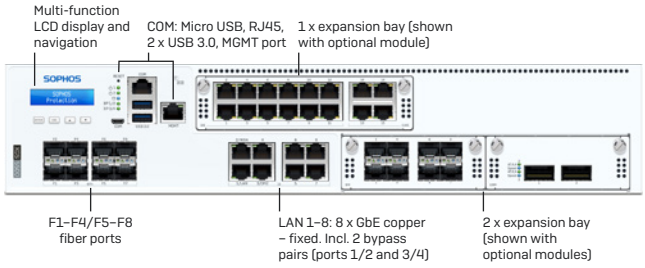
See detailed technical specifications



Sophos XGS Series 2U: Enterprise Edge
XGS 5500

Technical Specifications

Front View



Back View



Physical specifications	
Mounting	2U sliding rails (included)
Dimensions Width x Height x Depth	438 x 88 x 660 mm
Weight	17.8 kg/39.24 lbs (unpacked) 27 kg/59.53 lbs (packed)

Environment	
Power supply	2 x hot-swap internal auto-ranging 100-240VAC, 50-60 Hz PSU
Power consumption	168.0W/573.81 BTU/h (idle) 478.01W/1117.43 BTU/h (max.)
Operating temperature	0°C to 40°C (operating) -20°C to +70°C (storage)
Humidity	10% to 90%, non-condensing

Product Certifications	
Certifications	CB, CE, UL, FCC, ISED, VCCI, CCC, KC, BSMI, RCM, NOM, Anatel

Performance	XGS 5500
Firewall throughput	100,000 Mbps
Firewall IMIX	52,000 Mbps
Firewall Latency (64 byte UDP)	5 µs
IPS throughput	40,000 Mbps
Threat Protection throughput	12,390 Mbps
NGFW	38,000 Mbps
Concurrent connections	32,400,000
New connections/sec	468,000
IPsec VPN throughput	21,600 Mbps
Xstream SSL/TLS Inspection	13,500 Mbps
Xstream SSL/TLS Concurrent connections	512,000

Note: For performance testing methodology see page 11

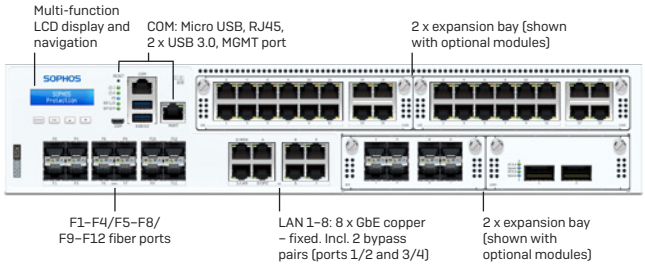
Physical interfaces	
Storage (local quarantine/logs)	2 x min. 480 GB SATA-III SSD HW RAID built into CPU
Ethernet interfaces (fixed)	8 x GbE copper 8 x SFP+ 10 GbE fiber*
Bypass port pairs	2
Management ports	1 x RJ45 MGMT 1 x COM RJ45 1 x Micro-USB (cable incl.)
Other I/O ports	2 x USB 3.0 (front)
Number of Flexi Port slots	2 + 1 for high-density module
Flexi Port modules (optional)	8 port GbE copper 8 port GbE SFP fiber 4 port 10 GbE SFP+ fiber 4 port GbE copper bypass (2 pairs) 2 port 40 GbE QSFP+ fiber 8 port 10 GbE SFP+ fiber 2 port GbE Fiber (LC) bypass + 4 port GbE SFP Fiber 2 port 10 GbE Fiber (LC) bypass + 4 port 10 GbE SFP+ Fiber High-density module (NIC): 12 port GE copper + 4 port 2.5 GE copper
Max. total port density (incl. use of modules)	48
Optional add-on connectivity	SFP DSL module (VDSL2) SFP/SFP+ Transceivers
Display	Multi-function LCD module

* Transceivers (mini GBICs) sold separately

Sophos XGS Series 2U: Enterprise Edge
XGS 6500

Technical Specifications

Front View



Back View



Physical specifications	
Mounting	2U sliding rails (included)
Dimensions Width x Height x Depth	438 x 88 x 660 mm
Weight	17.8 kg/39.24 lbs (unpacked) 27 kg/59.53 lbs (packed)

Environment	
Power supply	2 x hot-swap internal auto-ranging 100-240VAC, 50-60 Hz PSU
Power consumption	188.00 W/642.13 BTU/h (idle) 497.09 W/1697.8 BTU/h (max.)
Operating temperature	0°C to 40°C (operating) -20°C to +70°C (storage)
Humidity	10% to 90%, non-condensing

Product Certifications	
Certifications	CB, CE, UL, FCC, ISED, VCCI, CCC, KC, BSMI, RCM, NOM, Anatel

Performance	XGS 6500
Firewall throughput	115,000 Mbps
Firewall IMIX	60,000 Mbps
Firewall Latency (64 byte UDP)	5 µs
IPS throughput	48,000 Mbps
Threat Protection throughput	17,050 Mbps
NGFW	46,500 Mbps
Concurrent connections	39,900,000
New connections/sec	496,000
IPsec VPN throughput	26,000 Mbps
Xstream SSL/TLS Inspection	16,000 Mbps
Xstream SSL/TLS Concurrent connections	768,000

Note: For performance testing methodology see page 11

Physical interfaces	
Storage (local quarantine/logs)	2 x min. 480 GB SATA-III SSD HW RAID built into CPU
Ethernet interfaces (fixed)	8 x GbE copper 12 x SFP+ 10 GbE fiber*
Bypass port pairs	2
Management ports	1 x RJ45 MGMT 1 x COM RJ45 1 x Micro-USB (cable incl.)
Other I/O ports	2 x USB 3.0 (front)
Number of Flexi Port slots	2 + 2 for high-density module
Flexi Port modules (optional)	8 port GbE copper 8 port GbE SFP fiber 4 port 10 GbE SFP+ fiber 4 port GbE copper bypass (2 pairs) 2 port 40 GbE QSFP+ fiber 8 port 10 GbE SFP+ fiber 2 port GbE Fiber (LC) bypass + 4 port GbE SFP Fiber 2 port 10 GbE Fiber (LC) bypass + 4 port 10 GbE SFP+ Fiber High-density module (NIC): 12 port GE copper + 4 port 2.5 GE copper
Max. total port density (incl. use of modules)	68
Optional add-on connectivity	SFP DSL module (VDSL2) SFP/SFP+ Transceivers
Display	Multi-function LCD module

* Transceivers (mini GBICs) sold separately

Adapt Connectivity with Optional Modules

Connectivity Modules

Add additional connectivity options to your appliances to enhance the range and performance of your network.

XGS Series: Optional Connectivity Modules

Desktop Modules		*Other Connectivity Options*
		
2nd Wi-Fi 5 Module For XGS 116w, 126w and 136w only (not compatible with XG Series)	3G/4G Module For XGS 116(w), 126(w) and 136(w) models only (not compatible with XG Series)	SFP VDSL2 Modem For all XGS and XG Series with an SFP port
		Optional Transceivers A range of optional transceivers are available incl. SFP, SFP+

XGS Series: Desktop Accessory Matrix By Model

	Redundancy	*Connectivity*				*Mounting*
Model	*Power*	*Expansion Bay*	*3G/4G Module*	*Wi-Fi Options*	*VDSL SFP Modem*	*Rackmount Kit*
XGS 87	n/a	n/a	n/a	n/a	Optional	Optional
XGS 87w	n/a	n/a	n/a	Built in	Optional	Optional
XGS 107	Optional second power supply	n/a	n/a	n/a	Optional	Optional
XGS 107w	Optional second power supply	n/a	n/a	Built in	Optional	Optional
XGS 116	Optional second power supply	1	Optional	n/a	Optional	Optional
XGS 116w	Optional second power supply	1	Optional	Built in Optional second module	Optional	Optional
XGS 126	Optional second power supply	1	Optional	n/a	Optional	Optional
XGS 126w	Optional second power supply	1	Optional	Built in Optional second module	Optional	Optional
XGS 136	Optional second power supply	1	Optional	n/a	Optional	Optional
XGS 136w	Optional second power supply	1	Optional	Built in Optional second module	Optional	Optional

Looking for the XG Series Firewall Appliances? Visit sophos.com/compare-xg

Flexi Port Modules for 1U and 2U

Configure your hardware to suit your infrastructure and change it as and when you need to. Our optional Flexi Port LAN modules give you the freedom to select the connectivity you need: copper, fiber, 10GbE, 40 GbE – you decide.

XGS Rackmount Models	*For XGS 2xxx/3xxx/4xxx only*	*For XGS 5500/6500 only*
 8 Port 1G copper	 4 Port 1G copper PoE + 4 Port 1G copper	 2 Port 40G QSFP+
 8 Port 1G SFP	 4 Port 2.5G copper PoE	 8 Port 10G SFP+
 4 Port 10G SFP+		 2 port 10 GbE Fiber (LC) bypass + 4 port 10 GbE SFP+ Fiber
 4 Port 1G copper bypass (2 pairs)		 High-Density Flexi Port Module (NIC) 12 Port 1G copper + 4 Port 2.5G copper
 2 port GbE Fiber (LC) bypass + 4 port GbE SFP Fiber		

Note: XGS modules are not compatible with any previous XG Series appliances

XGS Series: 1U Accessory Matrix By Model

	Redundancy		Modular Connectivity			Mounting
Model	Power	2nd SSD	VDSL SFP Modem	Flexi Port Bays	Flexi Port Modules	Rackmount Kit
XGS 2100	Optional external	n/a	Optional	1	• 8 Port 1G copper • 8 Port 1G SFP • 4 Port 10G SFP+ • 4 Port 1G copper bypass • 4 port 1G copper PoE + 4 port 1G copper • 4 port 2.5G copper PoE • 2 port GbE Fiber (LC) bypass + 4 port GbE SFP Fiber	Rackmount ears incl. Optional sliding rails
XGS 2300	Optional external	n/a	Optional	1		Rackmount ears incl. Optional sliding rails
XGS 3100	Optional external	n/a	Optional	1		Rackmount ears incl. Optional sliding rails
XGS 3300	Optional external	n/a	Optional	1		Rackmount ears incl. Optional sliding rails
XGS 4300	Optional external	n/a	Optional	2		Sliding rails included
XGS 4500	Optional internal	Internal redundant SSD	Optional	2		Sliding rails included

XGS Series: 2U Accessory Matrix By Model

	Redundancy		Modular Connectivity			Mounting
Model	Power	SSD	VDSL SFP Modem	Flexi Port Bays	Flexi Port Modules	Rackmount Kit
XGS 5500	Included	Second redundant SSD included	Optional	2 + 1 for High-density module	• 8 Port 1G copper • 8 Port 1G SFP • 4 Port 10G SFP+ • 4 Port 1G copper bypass • 2 port 40G QSFP+ • 8 port 10G SFP+ • 2 port GbE Fiber (LC) bypass + 4 port GbE SFP Fiber • 2 port 10 GbE Fiber (LC) bypass + 4 port 10 GbE SFP+ Fiber • High-Density Flexi Port module (NIC) 12 Port 1G copper + 4 Port 2.5G copper	Sliding rails included
XGS 6500	Included	Second redundant SSD included	Optional	2 + 2 for High-density modules		Sliding rails included

Looking for the XG Series Firewall Appliances? Visit sophos.com/compare-xg

Sophos Wireless Protection

Simple, Secure, Reliable

Simplify and secure your wireless networking using Sophos Firewall as a wireless controller. Your Sophos Access Points are automatically discovered when they are connected, allowing you to configure a variety of corporate, guest, or contractor wireless networks quickly and easily. You get seamless wireless integration with your firewall protection, consistent security policies across both wired and wireless traffic, and reliable high-speed connectivity.

Hardware Appliances with integrated Wi-Fi

All our XGS Series desktop appliances are available with an integrated wireless access point. Coverage can be further extended by adding Sophos APX Series Access Points.

Technical Specifications

Our APX Series access points are built on enterprise-class, high-speed wireless chipsets with custom designed antennas, top performing CPU and memory resources, and hardware accelerated encryption. With 802.11ac Wave 2 technology (Wi-Fi 5), they are custom-built for increased throughput at load and better performance and security.

Model	*APX 120*	*APX 320*	*APX 530*	*APX 740*
				
Deployment	Indoor; desktop, wall, or ceiling mount.			
WLAN Standards	802.11 a/b/g/n/ac			
Radios	1 x 2.4 GHz single band 1 x 5 GHz single band	1 x 2.4 GHz/5 GHz dual-band 1 x 5 GHz single band 1 x Bluetooth low energy (BLE - for future use)	1 x 2.4 GHz single band 1 x 5 GHz single band 1 x Bluetooth low energy (BLE - for future use)	
Antennas	2 x internal dual-band antenna for Radio-1 and 2	2 x internal dual-band antenna for Radio-1 2 x internal 5 GHz antenna for Radio-2 1 x internal 2.4 GHz antenna for BLE	3 x internal 2.4 GHz antenna for Radio-1 3 x internal 5 GHz antenna for Radio-2 1 x internal 2.4 GHz antenna for BLE	4 x internal 2.4 GHz antenna for Radio-1 4 x internal 5 GHz antenna for Radio-2 1 x internal 2.4 GHz antenna for BLE
Performance	2 x 2:2 MU-MIMO		3 x 3:3 MU-MIMO	4 x 4:4 MU-MIMO
Interfaces	1 x 12V DC-in 1 x RJ45 10/100/1000 Ethernet w/PoE	1 x RJ45 connector console serial port 1 x RJ45 10/100/1000 Ethernet w/PoE	1 x RJ45 connector console serial port 1 x RJ45 10/100/1000 Ethernet port 1 x RJ45 10/100/1000 Ethernet w/PoE	
Power (MAX.)	11.8W	11.5W	16.7W	22.4W
Power-over-ethernet (MIN.)	PoE 802.3af		PoE+ 802.3at	
Dimensions **Width x Height x Depth**	144 x 33.5 x 144 mm 5.67 x 1.32 x 5.67 inches	155 x 38 x 155 mm 6.11 x 1.5 x 6.11 inches	183 x 39 x 183 mm 7.21 x 1.54 x 7.21 inches	195 x 43 x 195 mm 7.68 x 1.7 x 7.68 inches
Weight	0.256 kg	0.474 kg	0.922 kg	1.012 kg

If you prefer to free up the resources on your firewall and are looking for enhanced scalability, you can optionally manage your Sophos access points in the cloud using Sophos Central at no extra cost.

See sophos.com/compare-xgs for further technical details.

SD-RED

Sophos SD-RED: Empowering your SD-WAN strategy

Sophos has long been a pioneer in providing an easy-to-use, secure way to connect branch offices and other remote locations. Sophos Firewall includes a number of SD-WAN features to help you to accelerate application performance and get better visibility into network health to ensure that your remote locations enjoy the same performance as your main office.

Our SD-RED devices are built on the latest enterprise-class, high-speed networking platforms. They work with your Sophos Firewall whether you've deployed as hardware, software or in the public cloud. Our full range of Sophos Wireless Access Points are also compatible with Sophos SD-RED. You can use Sophos SD-RED with just the Base License included in your appliance purchase, however, you will need an active Network Protection subscription for management.

Technical Specifications

Model	*SD-RED 20*	*SD-RED 60*
		
Capacity		
Maximum throughput	250 Mbps	850 Mbps
Physical interfaces (Built-in)		
LAN interfaces	4 x 10/100/1000 Base-TX (1 GbE copper)	4 x 10/100/1000 Base-TX (1 GbE copper)
WAN interfaces	1 x 10/100/1000 Base-TX (shared with SFP)	2 x 10/100/1000 Base-TX (WAN1 shared port with SFP)
SFP interfaces	1x SFP fiber (shared port with WAN)	1x SFP fiber (shared port with WAN1)
Power-over-Ethernet ports	None	2 PoE ports (total power 30W)
USB ports	2 x USB 3.0 (front and rear)	2 x USB 3.0 (front and rear)
COM ports	1 x micro-USB	1 x micro-USB
Optional Connectivity		
Modular bay	1 (for use with optional Wi-Fi OR 4G/LTE card)	1 (for use with optional Wi-Fi OR 4G/LTE card)
Optional Wi-Fi module	802.11 a/b/g/n/ac Wave 1 (Wi-Fi 5) dual-band capable 2 x 2 MIMO 2 antennas	802.11 a/b/g/n/ac Wave 1 (Wi-Fi 5) dual-band capable 2 x 2 MIMO 2 antennas
Optional 3G/4G LTE module	MC7430/MC7455 Sierra Wireless Card	MC7430/MC7455 Sierra Wireless Card
Optional VDSL modem	Optional SFP modem (support coming in future release)	Optional SFP modem (support coming in future release)
Physical Specifications		
Dimensions **Width x Height x Depth**	225 x 44 x 150 mm 8.86 x 1.73 x 5.91 inches	225 x 44 x 150 mm 8.86 x 1.73 x 5.91 inches
Weight	0.9 kg/1.8 kg (1.98 lbs/3.97 lbs) Unpacked/Packed	1.0 kg/2.2 kg (2.2 lbs/4.85 lbs) Unpacked/Packed
Power supply adapter	AC Input: 110-240VAC @50-60 Hz DC Output: 12V +/- 10%, 3.7A, 40W	AC Input: 110-240VAC @50-60 Hz DC Output: 12V +/- 10%, 6.95A, 75W
Power redundancy support	Yes, optional second power supply	Yes, optional second power supply
Power consumption	6.1W, 20.814 BTU (idle) 22.6W, 77.114 BTU (full load)	11.88W, 40.536 BTU/h (idle) 25.33W, 86.429 BTU/h (full load without PoE) 62.48W, 213.190 BTU/h (full load with PoE)
Temperature (operational)	0°C to 40°C (32°F to 104°F)	0°C to 40°C (32°F to 104°F)
Temperature (storage)	-20°C to 70°C (-4°F to 158°F)	-20°C to 70°C (-4°F to 158°F)
Humidity	10% to 90%, non-condensing	10% to 90%, non-condensing
Safety Regulations		
Certifications (safety, EMC, radio)	CE/FCC/IC/RCM/VCCI/CB/UL/CCC/KC/ANATEL	CE/FCC/IC/RCM/VCCI/CB/UL/CCC/KC/ANATEL

See sophos.com/compare-xgs for further technical details.

Further resources

We have a broad range of resources available where you can find out more about Sophos Firewall and get further product support.

- Sophos Firewall Web – sophos.com/firewall
- XGS Series Hardware models – sophos.com/compare-xgs
- Sophos Firewall Ecosystem: Add-ons and accessories – sophos.com/firewall-ecosystem

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If you have any additional questions visit sophos.com or give one of our sales agents a call.

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If you'd like to take it for a test drive you can get the full-featured product simply sign-up for our free 30-day trial.

See it in action now

You can take a walkthrough of the user interface with our interactive demo or watch videos showing you just how we make network security simple.
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United Kingdom and Worldwide Sales
Tel: +44 (0)8447 671131
Email: sales@sophos.com

North American Sales
Toll Free: 1-866-866-2802
Email: nasales@sophos.com

Australia and New Zealand Sales
Tel: +61 2 9409 9100
Email: sales@sophos.com.au

Asia Sales
Tel: +65 62244168
Email: salesasia@sophos.com

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