Sophos Network Security for Education

Sophos Firewall: Purpose-built for education

Sophos Firewall delivers a purpose-built feature set to help education institutions overcome the challenges they face.

Powerful web filtering policy

Sophos Firewall utilizes a powerful yet intuitive web policy model, typically found only in dedicated enterprise web filtering products that cost significantly more. It makes managing multiple-user and group-based custom policies a breeze. You also have full control over SafeSearch, YouTube, and file downloads as part of every policy.

Child safety and compliance

Compliance mandates, such as the Children's Internet Protection Act (CIPA) in the U.S., the Safeguarding and Prevent Duty guidelines in the U.K., and similar initiatives in many other jurisdictions, are designed to keep young users safe online. While very well-intentioned, they can pose a significant challenge for many organizations. Fortunately, Sophos Firewall provides built-in features and policy settings that help organizations get compliant quickly and easily. It includes pre-defined activities, including "Not Suitable for Schools", as well as features such as SafeSearch, YouTube restrictions, and Keyword Filtering to enable child safety online.

Context-aware keyword filtering

With Sophos Firewall, we can help you identify potentially problematic behavior early on. The firewall can log, monitor, and even enforce policies related to keyword lists related to bullying, radicalization, or self-harm (for example). You can schedule reports to identify users at risk and get details about their activities, including what and where they're posting and the sites they're visiting.

Insights into top risk users

Our unique User Threat Quotient (UTQ) provides actionable insight into user behavior. The firewall correlates each user's surfing habits and activity with advanced threat triggers and history to identify users with risky online behavior. It enables you to immediately take action to address students engaged in behaviors that put themselves or your network at risk. Set up reports to automatically send to teachers or safeguarding officers, keeping them in the loop about at-risk students.

Top-rated protection from threats

Sophos Firewall contains all the latest threat protection technologies you need to stop hacks and attacks before they become an issue. Zero-day Protection scans all files coming in through the web or email for malicious behavior in a safe environment, using the latest deep learning technology from our next-gen endpoint product. Our top-rated intrusion prevention system (IPS) catches any hacker or attack attempting to exploit a vulnerability across the network. And our web protection solution performs JavaScript emulation to catch threats lurking in compromised websites, such as cryptojacking.

Chromebook support

Sophos Firewall supports more authentication methods than most other firewalls, including directory services, client-based, clientless, and, of course, Chromebooks with an easy-to-deploy agent that enables full user-based policy and reporting for all your Chromebook users.

Synchronized Security

Sophos Firewall integrates with Sophos Endpoint to provide the ultimate protection solution at both the network and endpoint, while enabling unique Synchronized Security features. Sophos Security Heartbeat™ shares health status in real time between all your Sophos-managed endpoints and the firewall, enabling your firewall to isolate any compromised or infected system automatically until it can be cleaned, preventing threats from spreading. It also enables rich insight into all applications on your network that are currently going unidentified because of encryption or evasive behavior. These added visibility, protection, and response benefits are only possible with Sophos Synchronized Security.

Optimized for education

Sophos network security products are optimized for education, delivering unmatched visibility and insight, the ultimate in security and control, and unique threat response capabilities. We offer a powerful set of capabilities to help you monitor what's happening on your network, manage your firewall and other network infrastructure, and respond to threats.

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Powerful. Simple. Affordable.

Sophos Firewall, Sophos Switch, and Sophos Wireless provide all the visibility, security, connectivity, and controls that education institutions need while making everyday management and reporting easy from a single cloud-based console.

Xstream Architecture

Sophos Firewall brings a fresh approach to the way you identify hidden risks, protect against threats, and respond to incidents without taking a performance hit. Our Xstream Architecture utilizes a unique packet processing architecture that delivers extreme levels of visibility, protection, and performance.

Ultimate security and control

Sophos Firewall provides all the advanced technology you need to protect your network from the latest ransomware and advanced threats. You also get the most powerful web filtering policy enforcement and protection available, and we've made everything extremely easy to set up and manage locally or in the cloud. Sophos switches allow you to segment your network to provide more controlled access, reducing your attack surface in case of a breach.

Active Threat Response

Sophos Firewall is the only network security solution that is able to fully identify the source of an infection on your network and automatically limit access to other network resources in response. This is made possible with our unique Security Heartbeat, which shares telemetry and health status between Sophos-managed endpoints and firewalls. Additionally, Active Threat Response uses threat feeds to trigger an automated response across your firewalls, switches, and AP6 access points to isolate potentially compromised clients to prevent lateral movement.

Connect and save with SD-WAN

Connecting schools in your district can be a costly endeavor. That's why we've integrated software-defined wide area networking, or SD-WAN, into our firewalls. Using SD-WAN, you can connect every school and headquarters in your district for a lot less than the price of MPLS (multi-protocol label switching). Securely transmit sensitive student and staff information between sites. Keep pace with changing educational technologies and applications on the network. And achieve consistent performance and availability for cloud applications such as Dropbox Education, G Suite, ClassDojo, and others in classrooms and administrative offices wherever they're located. Incredible value, eminently affordable. We've engineered Sophos Firewall to deliver outstanding performance and security efficiency for the best return on your investment. Our firewall is consistently rated among the top performers in independent tests by industry analysts, and no other firewall includes more in a single appliance.

Management and reporting made simple

Sophos Central makes managing and reporting on your network easy. With Sophos Central Firewall Management, you can manage one or more Sophos firewalls from any location. It all starts with a clean, informative dashboard and traffic light-style indicators that immediately indicate what needs your attention the most when you log in. Sophos Central Firewall Reporting provides the tools and flexibility to create custom reports that offer instant insight into the applications, risks, trends, and more impacting your network.

This is all available in the cloud at no extra charge if you have a paid license, and is all just a click away from the management of your Sophos switches and access points. And our web filtering policy is second to none in providing a powerful yet intuitive set of tools for managing compliance on your network. Educators can even help with the day-to-day management of web policy exceptions for their classroom curriculum.

Key Benefits

- Xstream Architecture

- Ultimate security and control

- Active Threat Response

- Connect and save with SD-WAN

- Management and reporting made simple

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Sophos XGS Series appliances

The XGS Series models offer excellent performance and connectivity at every price point to power the protection you need for today's diverse, distributed, and encrypted networks.

Product Matrix

Model					Throughput			
Model	Form Factor	Ports/Slots (Max Ports)	w-model	Swappable Components	Firewall (Gbps)	IPsec VPN (Gbps)	Threat Protection (Gbps)	Xstream SSL/TLS (Gbps)
XGS 88(w)	Gen.2 Desktop**	4/-(4)	Wi-Fi 6	n/a	9.9	6.0	2.0	600 Mbps
XGS 108(w)		7/-(7)		Optional: 2nd power supply	12.5	8.2	2.5	800 Mbps
XGS 118(w)		10/1(10)		Optional: 2nd power supply, 5G module*	15.5	13.0	3.2	1.1
XGS 128(w)		10/1(10)			19.1	15.0	4.0	1.4
XGS 138		8/1(8)	n/a		19.1	6.6	4.7	1.7
XGS 2100	1U Short	10/1 (18)	n/a	Optional: external power supply	30.0	17.0	5.0	1.1
XGS 2300			n/a		39.0	20.5	5.5	1.4
XGS 3100		12/1 (20)	n/a		47.0	25.5	7.4	2.4
XGS 3300			n/a		58.0	31.1	10.0	3.1
XGS 4300	1U Long	12/2 (28)	n/a		75.0	62.5	25.2	8.0
XGS 4500			n/a	Optional: internal power supply	80.0	75.5	31.8	10.6
XGS 5500	2U	16/3 (48)	n/a	Built in: redundant power, SSDs, fans	100.0	92.5	46.0	13.5
XGS 6500		20/4 (68)	n/a		120.0	109.8	53.5	16.0
XGS 7500		22/4 (70)	n/a		160.0	117.0	70.0	19.5
XGS 8500			n/a		190.0	141.0	92.5	24.0

* Not available in Japan

** All Gen.2 desktop models include two or more 2.5G ports

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 Enterprise Traffic Mix.

- **NGFW:** Measured with IPS and application control enabled with HTTP traffic using default IPS ruleset and 512KB object size.

Need sizing help?

Sophos offers free sizing assistance and a firewall sizing tool for partners via the Partner Portal.

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AP6 Series: cloud-managed Wi-Fi 6/6E Access Points

Our latest generation of Wi-Fi 6/6E access points offers a range of models to suit many different environments. With four indoor models and one IP67-rated outdoor model, they are ideal for both new and existing customers to replace their Wi-Fi infrastructure as part of a network upgrade or vendor consolidation project.

Sophos AP6 Series

With Wi-Fi 6, broad device support is guaranteed with all AP6 models offering support for the 2.4 and 5 GHz bands. Improved performance and better security with WPA3 add to the benefits of this WLAN generation. Wi-Fi 6E extends the capabilities and features of Wi-Fi 6 into the 6 GHz band*. For further information, please visit: sophos.com/wireless.

Model	AP6 420	AP6 420E	AP6 840	AP6 840E	AP6 420X
WLAN Standards	802.11ax Wi-Fi 6	802.11ax Wi-Fi 6/6E	802.11ax Wi-Fi 6	802.11ax Wi-Fi 6/6E	802.11ax Wi-Fi 6
Management	Sophos Central (see management and support below). Local web interface (single AP6 only) AP6 Series access points cannot be managed from any Sophos firewall.				
Deployment	Indoor; desktop, wall, or ceiling mount				Outdoor; pole/wall mount IP67
Radios*	Dual Radio 1 × 2.4 GHz single-band 1 × 5 GHz single-band	Tri-radio 1x 2.4 GHz single-band 1x 5 GHz single-band 1x 6 GHz single-band	Dual Radio 1x 2.4 GHz single-band 1x 5 GHz single-band	Tri-radio 1x 2.4 GHz single-band 1x 5 GHz single-band 1x 6 GHz single-band	Dual Radio 1x 2.4 GHz single-band 1x 5 GHz single-band
Antennas	Internal omnidirectional	Internal omnidirectional	Internal omnidirectional	Internal omnidirectional	External omnidirectional
Antenna Options	☐	☐	☐	☐	120° Sector, 30° Directional
DFS	✔	✔	✔	✔	✔
Performance	2 × 2:2	2 × 2:2	4 × 4:4	4 × 4:4	2 × 2:2
Interfaces	1x 1GE w/PoE+	1x 2.5G w/PoE+	1x 2.5G w/PoE+	1x 2.5G w/PoE++ 1 × 2.5G without PoE	1x 2.5G w/PoE+
Power (max.)	17.5 W	24.25 W	30 W	45 W	30 W
Power-over-Ethernet (min.)**	802.3at (PoE+) Suitable PoE+ injector or switch available for separate purchase	802.3at (PoE+) Suitable PoE+ injector or switch available for separate purchase	802.3at (PoE+) Suitable PoE+ injector or switch available for separate purchase	802.3bt (PoE++) Suitable PoE++ injector or CS210-8FP switch available for separate purchase	802.3at (PoE+) Suitable PoE+ injector or switch available for separate purchase
Dimensions Width x Height x Depth	183 × 35 × 183 mm 7.2 × 1.38 × 7.2 inches	183 × 35 × 183 mm 7.2 × 1.38 × 7.2 inches	225 × 43 × 225 mm 8.86 × 1.54 × 8.86 inches	225 × 43 × 225 mm 8.86 × 1.54 × 8.86 inches	260.5 × 69 × 180 mm 10.26 × 2.72 x 7.09 inches
Weight	0.7 kg	0.7 kg	1.2 kg	1.2 kg	1.6 kg
Certifications and Compliance	CB, UL, CE, FCC, ISED, RCM, TEC EN 60601-1-2 (Medical Equipment Directive)	CB, UL, CE, FCC, ISED, RCM, TEC Plenum-rated (UL2043) EN 60601-1-2 (Medical Equipment Directive)	CB, UL, CE, FCC, ISED, RCM, TEC Plenum-rated (UL2043) EN 60601-1-2 (Medical Equipment Directive)	CB, UL, CE, FCC, ISED, RCM, TEC Plenum-rated (UL2043) EN 60601-1-2 (Medical Equipment Directive)	CB, UL, CE, FCC, ISED, RCM, TEC EN 60601-1-2 (Medical Equipment Directive)

* 6 GHz is not available in all regions. See https://www.wi-fi.org/countries-enabling-wi-fi-in-6-ghz-wi-fi-6e for further information.

** Additional information and guidance on powering your access points is available at https://support.sophos.com/support/s/article/KB-000045501?language=en_US

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Sophos Switch: Gigabit switches

100 Series							
Model	**CS108-8**	**CS101-8FP**	**CS110-24**	**CS110-24FP**	**CS110-48**	**CS110-48P**	**CS110-48FP**
Form Factor	Desktop	Desktop	1U	1U	1U	1U	1U
Mounting	Wall mount	Wall mount	Rackmount	Rackmount	Rackmount	Rackmount	Rackmount
Switching Capacity (Gbps)	20	20	128	128	176	176	176
MAC Address Table	8K	8K	16K	16K	32K	32K	32K
Packet Buffer Memory	512 KB	512 KB	1.5 MB	1.5 MB	2 MB	2 MB	2 MB
VLANs	Support for up to 256 VLANs simultaneously (out of 4096 VLAN IDs)						
10/100/1000 Base-T	8	8	24	24	48	48	48
SFP 1G	2	2	0	0	0	0	0
Other Interfaces	0	0	4	4	4	4	4
Power Budget	DC-In On/Off Switch	DC-In On/Off Switch	Console Port AC Power Socket	Console Port AC Power Socket	Console Port AC Power Socket	Console Port AC Power Socket	Console Port AC Power Socket
PoE capable Ports	n/a	110W	n/a	410W	n/a	410W	740W
Supported PoE Standard	n/a	1 to 8	n/a	1 to 24	n/a	1 to 48	1 to 48
Max. PoE Devices	n/a	7 (15.4W)/3 (30W)	n/a	24 (15.4W)/13 (30W)	n/a	26 (15.4W)/13 (30W)	48 (15.4W)/24 (30W)

Sophos Switch: Multi-gigabit switches

	200 Series			1000 Series
Model	**CS210-8FP****	**CS21024FP**	**CS210-48FP**	**CS1010-8FP**
Form Factor	1U	1U	1U	1U
Mounting	Rackmount	Rackmount	Rackmount	Rackmount
Switching Capacity (Gbps)	120	152	224	120
MAC Address Table	8K	16K	32K	32K
Packet Buffer Memory	512 KB	1.5 MB	2 MB	2 MB
VLANs	Support for up to 256 VLANs simultaneously (out of 4096 VLAN IDs)			
10/100/1000 Base-T	–	16	32	–
100/1000Base-T/2500Base-T	8	8	16	–
100/1000/2500/5000/10000Base-T	–	–	–	8
SFP 1G	0	0	0	0
SFP+1G/10G	4	4	4	4
Other Interfaces	Console Port AC Power Socket	Console Port AC Power Socket	Console Port AC Power Socket	Console Port AC Power Socket
Power Budget	240W	410W	740W	410W
PoE capable Ports	1 to 8	1 to 24	1 to 48	1 to 8
Supported PoE Standard	802.3af/802.3at/802.3bt	802.3af/802.3at	802.3af/802.3at	802.3af/802.3at/802.3bt
Max. PoE Devices	8 (15.4W)/8 (30W)/4 (60W)	24 (15.4W)/13 (30W)	48 (15.4W)/24 (30W)	8 (15.4W)/8 (30W)/8* (60W)

*410W is sufficient for 6 × 60W devices but up to 8 × 802.3bt devices with less than 60W, e.g., AP6 840E

**10M Full and Half Duplex and 100M Half Duplex speeds are not supported on this model

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How to buy Sophos Firewall

Choose just the protection you need:

Network Protection

Top-rated intrusion prevention, deep learning, and advanced threat protection technologies to stop the latest threats dead in their tracks.
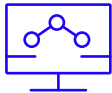
Zero-Day Protection

Advanced deep learning static file analysis plus dynamic sandboxing to identify threats and provide full threat intelligence.
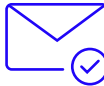
Web Protection

Powerful web filtering and protection with keyword content filtering, SafeSearch and YouTube controls, plus application identification and control.

Central Orchestration

Makes setting up SD-WAN site-to-site VPN for groups of firewalls a simple point and click exercise and extends your Central Reporting.

Email Protection

Full SMTP and POP message protection from spam, phishing, and data loss with our unique all-in-one protection that combines policy-based email encryption with DLP and anti-spam.

Web Server Protection

Harden any file or web servers against hacking attempts while providing secure access to external users with reverse proxy authentication.

Sophos Firewall 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/DPI, IPS, Active Threat Response with Sophos X-Ops threat feeds, Heartbeat, SD-RED, 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), MDR/XDR data lake connector
DNS Protection (not sold separately)	Cloud-based DNS service for web security and compliance
Bundle-only Features (not sold separately)	Active Threat Response with MDR/XDR threat feeds and third-party threat feeds
Enhanced Support	24/7 support, feature updates, advanced replacement hardware warranty for term

For details on additional licensing options, visit here.

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How to buy Sophos Switch and Sophos Wireless

Choose just the protection you need:

| Select Your Hardware | Add Support and Services | Deploy via Sophos Central |

What You Purchase	What Your Purchase Includes
Sophos Switch or AP6 access point hardware	Sold per switch/AP
Included in the hardware purchase cost	Local Web/CLI/SNMP management Limited lifetime warranty
Sophos Support and Services	Sold per switch/AP per year
Subscription entitles you to:	Sophos Central Management (with access to additional features), Advanced RMA support, 24×7 multi-channel support, Firmware updates
If subscription expires or is not purchased	Sophos Central management goes into read-only Firmware updates are not available, no phone support, no advanced RMA support
*Important Note	Your Sophos product will always work via local configuration without a Support and Services subscription, however, with the above limitations

Further information about the limited lifetime warranty is available at sophos.com/legal

Take Advantage of the E-Rate Discount Program

E-Rate is a federally funded program that helps U.S. schools and libraries that are enforcing an internet safety policy compliant with CIPA obtain discounted internet access, telecommunications, and basic network security products by anywhere from 20% to 90%. Apply today.

Free 30-day trial – no strings attached

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

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