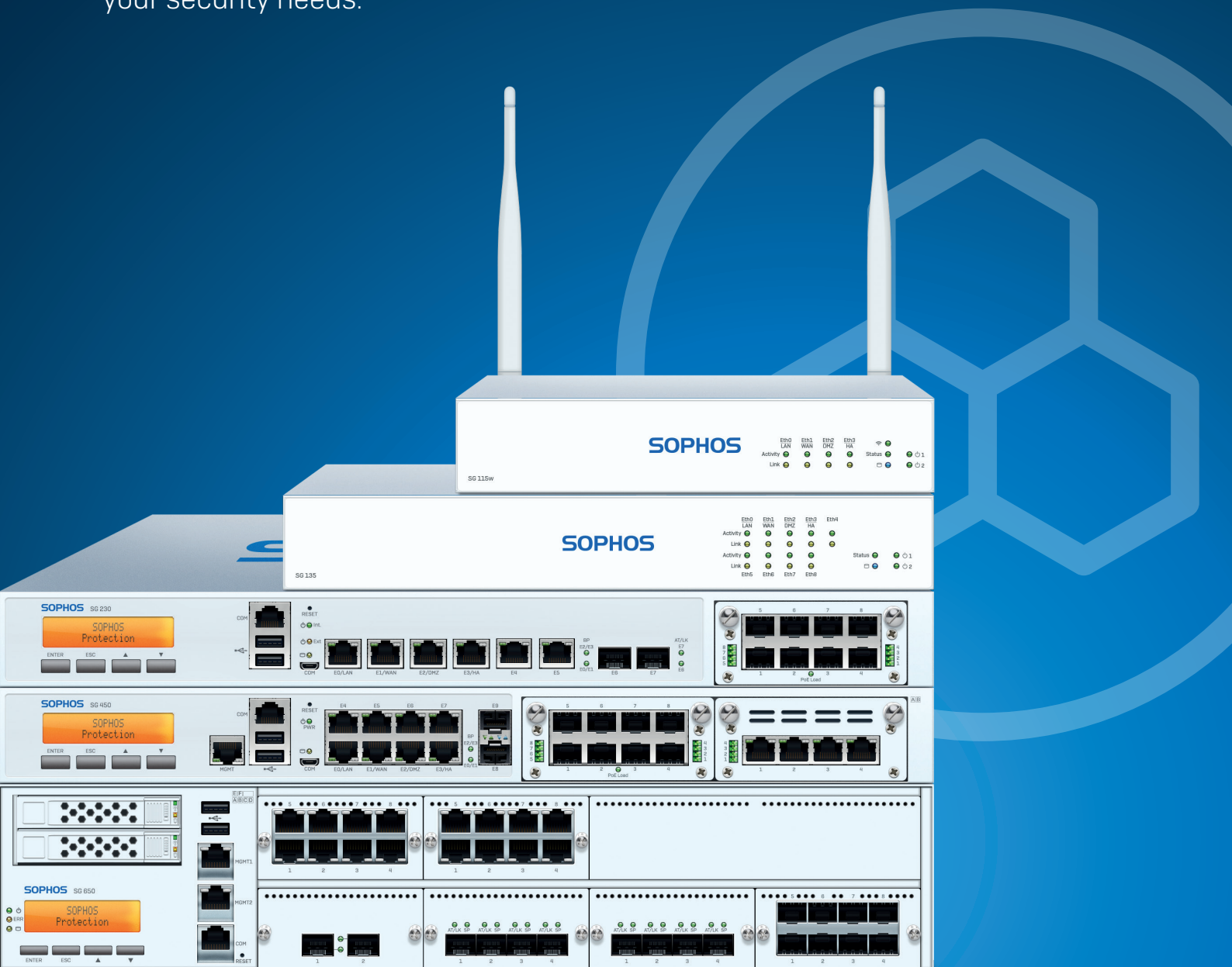




Sophos SG Series Appliances

Unleash the full potential of your network

With bandwidth requirements constantly increasing, network security appliances need to do more than ever before. The Sophos SG Series appliances are built to provide optimal performance, versatility, and efficiency to meet all your security needs.



Unleash the full potential of your network

The Sophos SG Series appliances are designed to provide the optimal balance between performance and protection – for diverse IT environments. Whether you need a solution for a small remote office, want to protect your school campus, or are a global organization requiring high-availability and enterprise-grade features, our SG Series appliances are an ideal fit.

Versatile

Appliances to suit every environment

Our broad product line-up makes it easy for you to choose the right appliance. A higher model number indicates higher throughput and an increased number of ports or connectivity options.

And as every software subscription is available on every appliance, you can flexibly size the solution to fit your budget and your individual security needs. Next-generation firewall features or all-in-one security on a single box, it's your choice.

Rapid

Proven performance on all models

Our appliances are built upon the most advanced Intel technology. Optimized use of multi-core processors allows consolidation of your security solutions without a performance trade-off.

With faster than ever firewall, IPS and VPN throughput speeds, our SG Series appliances effortlessly handle multiple tasks simultaneously. Plus, you can easily scale up by dynamically clustering up to 10 units* without external load balancers.

Responsive

Technology built to process data in real-time

Your network is constantly changing so your protection needs to be adaptive. All our appliances have integrated solid state disks (SSDs) for local storage of spam quarantine data and faster access to comprehensive reports and real-time logs.

Accelerated in-memory content scanning in secure proxy mode makes your defenses more effective and efficient.

Reliable

Built for business – today and tomorrow

Using the latest Intel technology, our products provide the utmost in flexibility. Add to your protection as you need it - without changing or upgrading your hardware. That means you benefit from future software and performance enhancements which guarantees the best possible value for money.

Redundancy features such as a second power supply are available for all 1U, 2U and even our Desktop models. Additionally, the 1U SG 450 and all 2Us come with a second hard-drive.

Modular

Flexible configuration options

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, 10 GbE or 40 GbE – you decide.

Flexi Port modules are interchangeable within a range, e.g. 1U, saving you money if you upgrade to a different model at a later date.

Some of our Desktop models now include an expansion bay to add an optional module, e.g. for 3G/4G connectivity. We also offer an optional SFP DSL modem for Desktop models.

Connected

Full wireless coverage – for every office

Our SG 100 Series desktop models with integrated wireless are a very tidy solution for even the most compact office space. As the access point is built in, you do not require any extra hardware. Should you need additional coverage or have a larger space, you can add Sophos access points.

Every one of our Desktop appliances is available with a built-in wireless controller for you to connect and manage Sophos access points. You can also add a 2nd Wi-Fi radio to the SG 135w for even better performance and coverage.

* For HA support, appliances must be of the same model AND revision number

Adapt Connectivity with Optional Modules


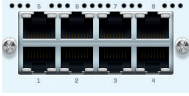


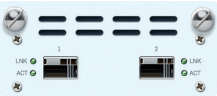





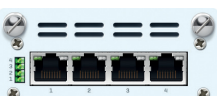

Connectivity Modules for Desktop Models

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

| Modules for Desktops | | |
|--|---|---|
| 3G/4G Module: (For XG/SG 125(w) and 135(w) Rev. 3 only) 2 external antennas, SIM card slot (2FF) Supports LTE (Cat-6)/DC-HSPA+/HSPA+/HSPA/ UMTS (WCDMA, APAC version also TD-SCDMA) | DSL Modem – SFP: (for XG/SG 1xx(w) Rev.3 only) SFP format supports all VDSL2 standards defined in ITU –T G.993.2, G.994.1, G.997.1, and the VDSL2 profiles 8a, 8b, 8c, 8d, 12a, 12b, 17a | 2nd Wi-Fi Radio Module: (For XG/SG 135w Rev.3 only) 802.11a/b/g/n/ac, 2 x 2 MIMO, 2.4 or 5 GHz, 2 external antennas |

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.

| FleXi Port Modules for 1U | FleXi Port Modules for 2U |
|--|---|
|  <p>8 port GbE copper FleXi Port module (for SG/XG 2xx/3xx/4xx only)</p> |  <p>8 port GbE copper FleXi Port module (for XG 750 and SG/XG 550/650 Rev.2 only)</p> |
|  <p>8 port GbE SFP FleXi Port module (for SG/XG 2xx/3xx/4xx only)</p> |  <p>8 port GbE SFP FleXi Port module (for XG 750 and SG/XG 550/650 Rev.2 only)</p> |
|  <p>2 port 10 GbE SFP+ FleXi Port module (for SG/XG 2xx/3xx/4xx only)</p> |  <p>2 port 10 GbE SFP+ FleXi Port module (for XG 750 and SG/XG 550/650 Rev.2 only)</p> |
|  <p>4 port 10 GbE SFP+ FleXi Port module (for SG/XG 2xx/3xx/4xx only)</p> |  <p>4 port 10 GbE SFP+ FleXi Port module (for XG 750 and SG/XG 550/650 Rev.2 only)</p> |
|  <p>2 port 40 GbE QSFP+ FleXi Port module (for SG/XG 210 Rev.3 and SG/XG 230, 3xx and 4xx Rev.2 only)</p> |  <p>2 port 40 GbE QSFP+ FleXi Port module (for XG 750 and SG/XG 550/650 Rev.2 only)</p> |
|  <p>4 port GbE copper PoE FleXi Port module (for SG/XG 210 Rev.3 and SG/XG 230, 3xx and 4xx Rev.2 only)</p> | |
|  <p>8 port GbE copper PoE FleXi Port module (for SG/XG 210 Rev.3 and SG/XG 230, 3xx and 4xx Rev.2 only)</p> | |

Please note: Transceivers (mini GBICs) are sold separately.

Sophos SG Series Appliances – at a glance

Product Matrix

| Model | Revision # | Form Factor | Tech. Specs | | | Throughput | | | |
|------------------|------------|-------------|-------------------------|-------------------------|--------------------------------|-----------------|------------|------------|-----------------|
| | | | Ports/Slots [Max Ports] | w-model 802.11 wireless | Swappable Components | Firewall [Mbps] | VPN [Mbps] | IPS [Mbps] | AV-proxy [Mbps] |
| SG 105(w) | 3 | desktop | 4 | a/b/g/n/ac | opt. ext. Power | 2,500 | 325 | 350 | 380 |
| SG 115(w) | 3 | desktop | 4 | a/b/g/n/ac | opt. ext. Power | 2,700 | 425 | 500 | 500 |
| SG 125(w) | 3 | desktop | 9/1 (9) | a/b/g/n/ac | opt. ext. Power, 3G/4G | 3,100 | 500 | 750 | 650 |
| SG 135(w) | 3 | desktop | 9/1 (9) | a/b/g/n/ac | opt. ext. Power, 3G/4G, Wi-Fi* | 6,000 | 1,000 | 1,500 | 1,400 |
| SG 210 | 3 | 1U | 8/1 (16) | n/a | opt. ext. Power | 12,000 | 1,000 | 2,000 | 500 |
| SG 230 | 2 | 1U | 8/1 (16) | n/a | opt. ext. Power | 14,500 | 2,000 | 3,000 | 800 |
| SG 310 | 2 | 1U | 12/1 (20) | n/a | opt. ext. Power | 19,000 | 3,000 | 5,000 | 1,200 |
| SG 330 | 2 | 1U | 12/1 (20) | n/a | opt. ext. Power | 22,000 | 4,000 | 6,000 | 1,500 |
| SG 430 | 2 | 1U | 10/2 (26) | n/a | opt. ext. Power | 28,000 | 4,000 | 7,000 | 2,000 |
| SG 450 | 2 | 1U | 10/2 (26) | n/a | opt. int. Power | 30,000 | 5,000 | 8,000 | 2,500 |
| SG 550 | 2 | 2U | 8/4 (32) | n/a | Power, SSD, Fan | 45,000 | 8,000 | 12,000 | 3,500 |
| SG 650 | 2 | 2U | 8/6 (48) | n/a | Power, SSD, Fan | 65,000 | 10,000 | 16,000 | 5,000 |

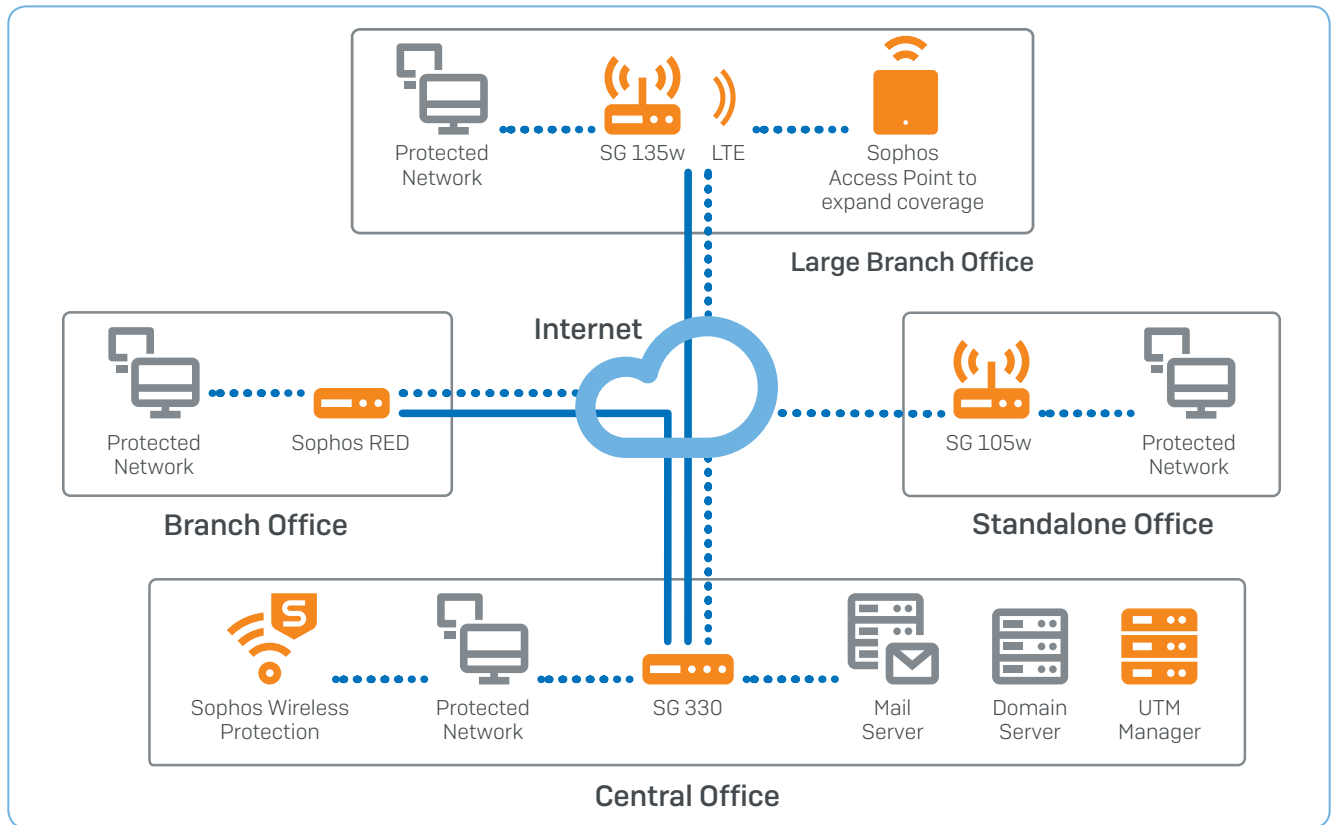
* 2nd Wi-Fi module option on 135w only (requires UTM 9.508)

This is what you get with every Sophos SG Series firewall:

- The latest Intel multi-core technology for optimal performance and efficiency
- The same security features available on every size of appliance
- Built-in SSD as storage for local quarantine data, logs and reporting
- Flexi Port modules available for all 1U and 2U appliances (interchangeable within a range, e.g. 1U)
- Add-on connectivity options for all Desktop models
- Optional redundant power supply for every model, incl. Desktops
- Free Sophos UTM Manager (SUM) to manage multiple appliances
- Possibility to dynamically cluster up to 10 appliances of the same model and revision – without external load balancers

Sophos SG Series Appliances - Small

These desktop firewalls offer exceptional performance for models in this class and are available with the same broad set of security features as all our other appliances. The following diagrams show typical deployments in this range using both integrated wireless LAN and external access points.



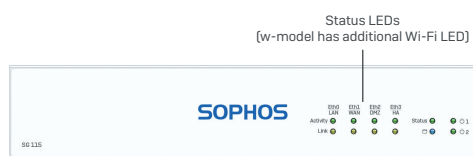
A typical deployment scenario using the SG 135w and SG 105w as part of a distributed organization.

Sophos SG Series Desktop Appliances: SG 105, SG 105w, SG 115, SG 115w

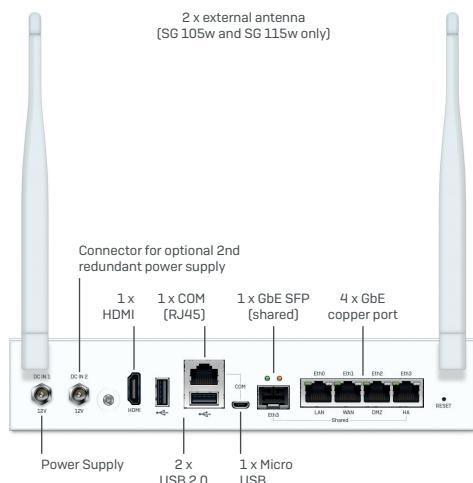
Technical Specifications

These desktop firewall appliances offer an excellent price-to-performance ratio making them ideal for budget-conscious small businesses or branch offices. They are available with or without integrated 802.11ac wireless LAN, so you can even have an all-in-one network security and hotspot solution without the need for additional hardware. Of course, you can also add external access points. With Intel multi-core technology designed for best performance and efficiency in a small form factor, these models come equipped with 4 GbE copper ports built-in and 1 shared SFP interface, e.g. for use with our optional DSL modem or an SFP transceiver for fiber connectivity. An optional second power supply provides an unmatched redundancy option in this product segment. Select the software modules of your choice, or choose TotalProtect Plus for the full set of security features plus appliance.

Front View



Back View



Environment

| | |
|-----------------------|---|
| Power consumption | 8.88W, 30.28 BTU/hr (idle) 10.44W, 35.6 BTU/hr (full load) |
| Operating temperature | 0-40°C (operating) -20 to +80°C (storage) |
| Humidity | 10%-90%, non-condensing |

Product Certifications

| | |
|----------------|--|
| Certifications | CB, UL, CE, FCC, ISSED, VCCI, MIC (Japan), RCM, CCC, KC, BIS |
|----------------|--|

| Performance | SG 105(w) Rev. 3 | SG 115(w) Rev. 3 |
|------------------------------|------------------|------------------|
| Firewall throughput | 2,500 Mbps | 2,700 Mbps |
| VPN throughput | 325 Mbps | 425 Mbps |
| IPS throughput | 350 Mbps | 500 Mbps |
| Antivirus throughput (proxy) | 380 Mbps | 500 Mbps |
| Concurrent connections | 1,000,000 | 1,000,000 |
| New connections/sec | 17,000 | 21,000 |
| Maximum licensed users | unrestricted | unrestricted |

Wireless Specification (SG 105w and SG 115w 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 SSD |
| Ethernet interfaces (fixed) | 4 GbE copper 1 GbE SFP (shared)* |
| Connectivity modules (optional) | SFP DSL module (VDSL2) SFP transceivers |
| I/O ports (rear) | 2 x USB 2.0 1 x Micro-USB 1 x COM (RJ45) 1 x HDMI |
| Power supply | External auto ranging DC: 12V, 100-240VAC, 36W@50-60 Hz Redundant PSU optional (external) |

Physical specifications

| | |
|--------------------------------------|--|
| Mounting | Rackmount kit available (to be ordered separately) |
| Dimensions Width x Depth x Height | 225 x 150 x 44 mm 8.86 x 5.91 x 1.73 inches |
| Weight | 1.11 kg / 2.45 lbs (unpacked) 1.84 kg / 4.06 lbs (packed) |

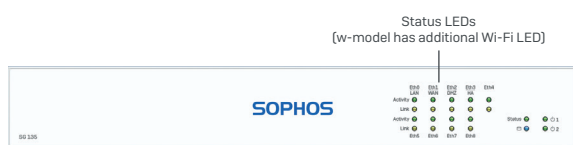
* SFP transceivers sold separately

Sophos SG Series Desktop Appliances: SG 125, SG 125w, SG 135, SG 135w

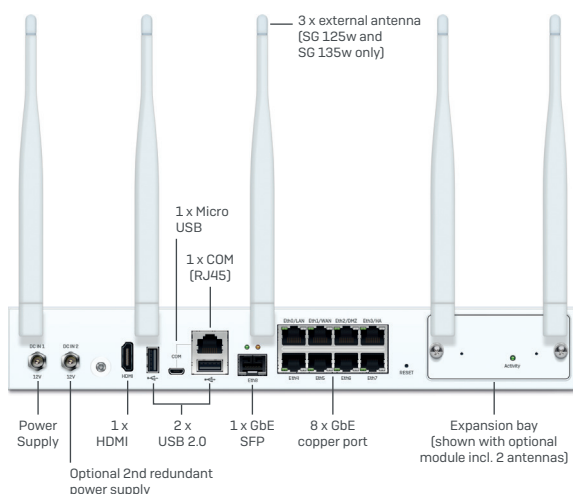
Technical Specifications

These powerful firewall appliances offer 1U performance with a desktop form factor and price. If you have a small business or branch offices to protect and are working on a tight budget, these models are the ideal choice. They are also available with integrated 802.11ac wireless LAN for optimal coverage and connectivity for your mobile workers. Built upon the latest Intel architecture, our software makes optimal use of the multi-core technology to provide excellent throughput for all your key processes. These models come equipped with 8 GbE copper ports built-in, plus 1 SFP port, e.g. for use with our optional DSL modem or fiber connectivity using an SFP transceiver. An expansion bay provides the option to add additional connectivity such as our 3G/4G module. A 2nd Wi-Fi radio module is also available for the SG 135w. An optional second power supply ensures business continuity for these models. As with all our SG firewalls, up to 10 appliances can be dynamically clustered for greater scalability (must be the same model and revision number for HA).

Front View



Back View



Environment

| | |
|-----------------------|--|
| Power consumption | 18.6W, 63.426 BTU/hr (idle) 20.04W, 68.336 BTU/hr (full load) |
| Operating temperature | 0-40°C (operating) -20 to +80°C (storage) |
| Humidity | 10%-90%, non-condensing |

Product Certifications

| | |
|----------------|--|
| Certifications | CB, UL, CE, FCC, ISSED, VCCI, MIC (Japan), RCM, CCC, KC, BIS |
|----------------|--|

| Performance | SG 125(w) Rev. 3 | SG 135(w) Rev. 3 |
|------------------------------|------------------|------------------|
| Firewall throughput | 3,100 Mbps | 6,000 Mbps |
| VPN throughput | 500 Mbps | 1,000 Mbps |
| IPS throughput | 750 Mbps | 1,500 Mbps |
| Antivirus throughput (proxy) | 650 Mbps | 1,400 Mbps |
| Concurrent connections | 2,002,930 | 2,002,930 |
| New connections/sec | 25,000 | 36,000 |
| Maximum licensed users | unrestricted | unrestricted |

Wireless Specification (SG 125w and SG 135w only)

| | |
|--------------------|------------------------------------|
| No. of antennas | 3 external |
| MIMO capabilities | 3 x 3:3 |
| Wireless interface | 802.11a/b/g/n/ac (2.4 GHz / 5 GHz) |

Physical interfaces

| | |
|----------------------------------|---|
| Storage (local quarantine/logs) | integrated SSD |
| Ethernet interfaces (fixed) | 8 GbE copper 1 GbE SFP* |
| I/O ports (rear) | 2 x USB 2.0 1 x Micro-USB 1 x COM (RJ45) 1 x HDMI |
| No. of expansion slots: | 1 |
| Connectivity Modules (optional): | SFP DSL module (VDSL2) 3G/4G module 802.11ac Wi-Fi radio 2x2:2 (SG 135w only) SFP transceivers |
| Power supply | External auto ranging DC: 12V, 100-240VAC, 36W@50-60 Hz Redundant PSU optional (external) |

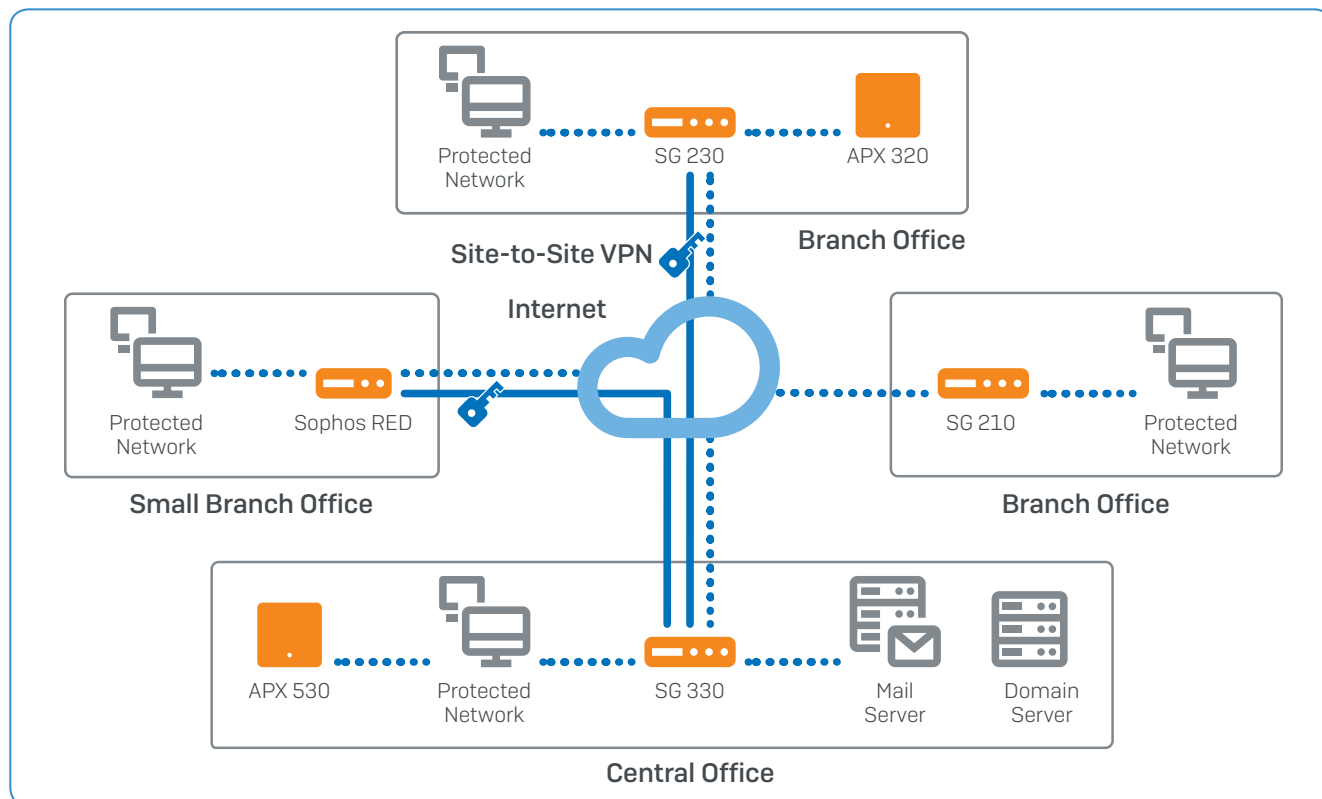
Physical specifications

| | |
|--------------------------------------|--|
| Mounting | Rackmount kit available (to be ordered separately) |
| Dimensions Width x Depth x Height | 305 x 205 x 44 mm 12 x 8.07 x 1.73 inches |
| Weight | 1.8 kg / 3.97 lbs (unpacked) 2.7 kg / 5.95 lbs (packed) |

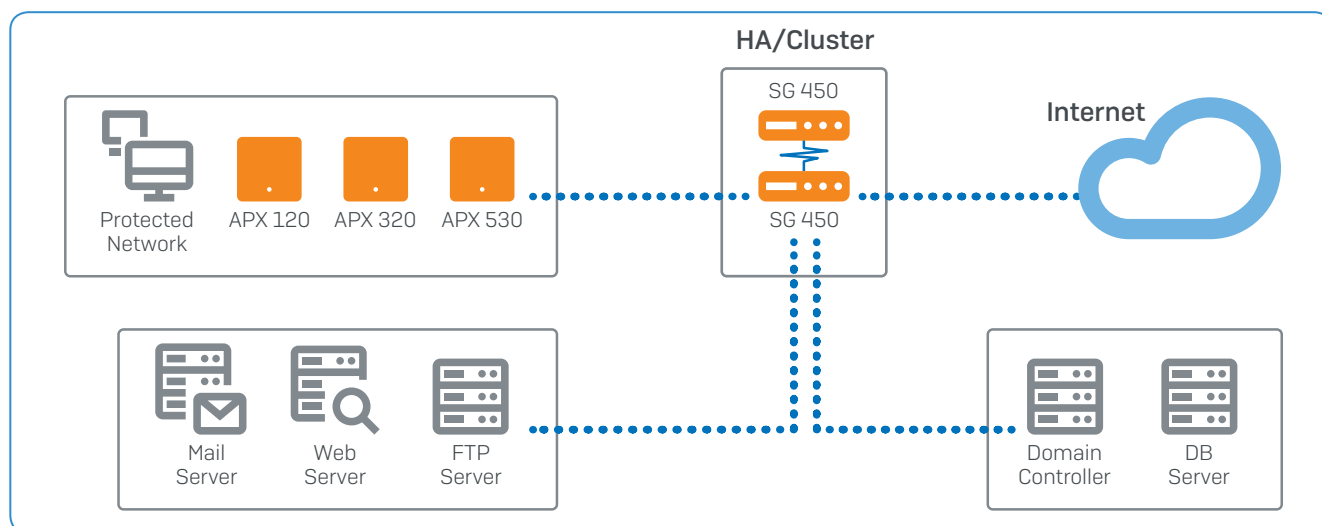
* SFP transceivers sold separately

Sophos SG Series Appliances - Medium

Whatever your deployment scenario, these appliances can handle multiple security solutions in every situation. The following diagrams show typical deployments in this range.



Scenario using SG Series appliances and RED for branch offices



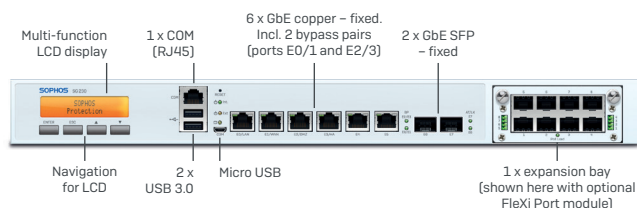
Deployment scenario with cluster of two SG 450 appliances. For HA support, appliances must be of the same model AND revision number.

Sophos SG Series Appliances: SG 210, SG 230

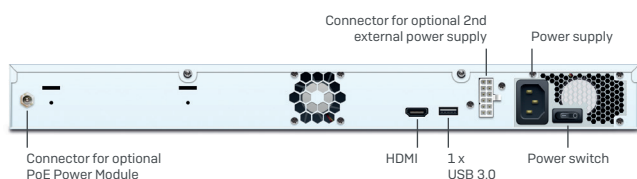
Technical Specifications

The Sophos SG 210 and SG 230 are designed to protect small to mid-sized businesses and branch offices. Based on the latest Intel technology and equipped with 6 GbE copper ports, 2 GbE SFP ports plus one Flexi Port slot to configure with an optional module, they provide high flexibility and throughput at an excellent price-to-performance ratio. As with all SG models, you can dynamically cluster up to 10 of these appliances.

Front View



Back View



Environment

| | |
|-----------------------|--|
| Power consumption | SG 210: 19W, 65 BTU/hr (idle) 35W, 119 BTU/hr (full load) SG 230: 21W, 72 BTU/hr (idle) 41W, 141 BTU/hr (full load) |
| Operating temperature | 0-40°C (operating) -20 to +80°C (storage) |
| Humidity | 10%-90%, non-condensing |

Product Certifications

| | |
|----------------|--|
| Certifications | CB, UL, CE, FCC Class A, ISED, VCCI, RCM, CCC, KC, BIS |
|----------------|--|

| Performance | SG 210 Rev. 3 | SG 230 Rev. 2 |
|------------------------------|---------------|---------------|
| Firewall throughput | 12 Gbps | 14.5 Gbps |
| VPN throughput | 1 Gbps | 2 Gbps |
| IPS throughput | 2 Gbps | 3 Gbps |
| Antivirus throughput (proxy) | 500 Mbps | 800 Mbps |
| Concurrent connections | 4,000,000 | 4,000,000 |
| New connections/sec | 60,000 | 70,000 |
| Maximum licensed users | unrestricted | unrestricted |

Physical interfaces

| | |
|---------------------------------|--|
| Storage (local quarantine/logs) | integrated SSD |
| Ethernet interfaces (fixed) | 6 GbE copper (incl. 2 bypass pairs) 2 GbE SFP* |
| No. of Flexi Port slots | 1 |
| Flexi Port modules (optional) | 8 port GbE copper 8 port GbE SFP* 2 port 10 GbE SFP+* 4 port 10 GbE SFP+* 2 port 40 GbE QSFP+* 4 port GbE PoE 8 port GbE PoE |
| I/O ports | 2 x USB 3.0 (front) 1 x Micro USB (front) 1 x USB 3.0 (rear) 1 x COM (RJ45) (front) 1 x HDMI (rear) |
| Display | Multi-function LCD module |
| Power supply | Internal auto-ranging 90-264VAC, 50-60 Hz Redundant PSU optional (external) |

Physical specifications

| | |
|--------------------------------------|--|
| Mounting | 1U rack mount (2 rackmount ears included) |
| Dimensions Width x Depth x Height | 438 x 344.4 x 44mm 17.24 x 13.56 x 1.75 inches |
| Weight | 5.2 kg / 11.46 lbs (unpacked) 7.2 kg / 15.87 lbs (packed) |

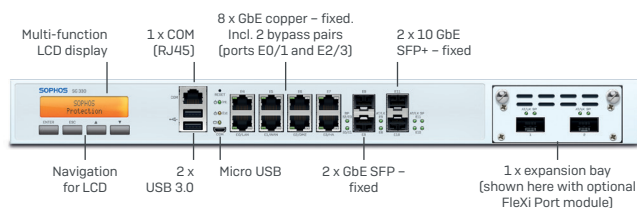
* Transceivers (mini GBICs) sold separately

Sophos SG Series Appliances: SG 310, SG 330

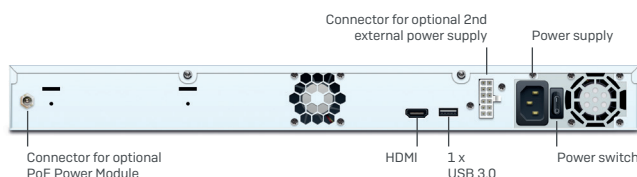
Technical Specifications

The Sophos SG 310 and SG 330 are scalable appliances suitable for distributed organizations or mid-sized companies. With solid-state drives for on-box reporting, logs and spam quarantine, they're highly responsive even in high traffic environments. Each model is equipped with 8 GbE copper ports, 2 GbE SFP and 2 10 GbE SFP+ fiber ports plus one Flexi Port slot to configure with an optional module. They provide optimal performance and flexibility.

Front View



Back View



Environment

| | |
|-----------------------|--|
| Power consumption | SG 310: 32W, 109 BTU/hr (idle) 49W, 167 BTU/hr (full load) SG 330: 36W, 122 BTU/hr (idle) 54W, 184 BTU/hr (full load) |
| Operating temperature | 0-40°C (operating) -20 to +80°C (storage) |
| Humidity | 10%-90%, non-condensing |

Product Certifications

| | |
|----------------|---|
| Certifications | CB, UL, CE, FCC Class A, ISED, VCCI, RCM, CCC, KC, BIS |
|----------------|---|

| Performance | SG 310 Rev. 2 | SG 330 Rev. 2 |
|------------------------------|---------------|---------------|
| Firewall throughput | 19 Gbps | 22 Gbps |
| VPN throughput | 3 Gbps | 4 Gbps |
| IPS throughput | 5 Gbps | 6 Gbps |
| Antivirus throughput (proxy) | 1.2 Gbps | 1.5 Gbps |
| Concurrent connections | 6,000,000 | 6,000,000 |
| New connections/sec | 100,000 | 120,000 |
| Maximum licensed users | unrestricted | unrestricted |

Physical interfaces

| | |
|---------------------------------|--|
| Storage (local quarantine/logs) | integrated SSD |
| Ethernet interfaces (fixed) | 8 GbE copper (incl. 2 bypass pairs) 2 GbE SFP 2 10 GbE SFP+ |
| No. of Flexi Port slots | 1 |
| Flexi Port modules (optional) | 8 port GbE copper 8 port GbE SFP* 2 port 10 GbE SFP+* 4 port 10 GbE SFP+* 2 port 40 GbE QSFP+* 4 port GbE PoE 8 port GbE PoE |
| I/O ports | 2 x USB 3.0 (front) 1 x Micro USB (front) 1 x USB 3.0 (rear) 1 x COM (RJ45) (front) 1 x HDMI (rear) |
| Display | Multi-function LCD module |
| Power supply | Internal auto-ranging 90-264VAC, 50-60 Hz Redundant PSU optional [external] |

Physical specifications

| | |
|--------------------------------------|--|
| Mounting | 1U rack mount (2 rackmount ears included) |
| Dimensions Width x Depth x Height | 438 x 405.5 x 44mm 17.24 x 15.96 x 1.75 inches |
| Weight | 5.8 kg / 12.79 lbs (unpacked) 8.1 kg / 17.86 lbs (packed) |

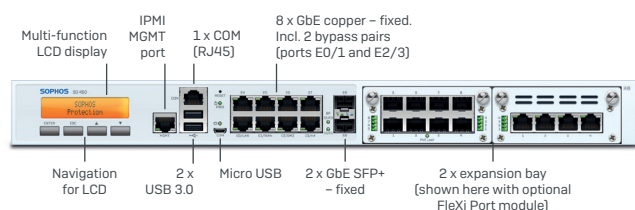
* Transceivers (mini GBICs) sold separately

Sophos SG Series Appliances: SG 430, SG 450

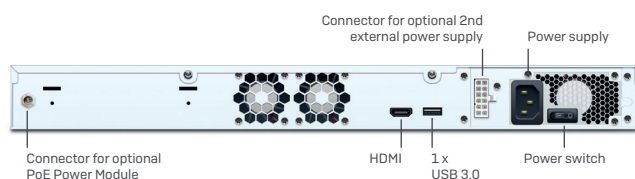
Technical Specifications

The Sophos SG 430 and SG 450 offer enterprise performance for distributed organizations or larger mid-sized companies. The connectivity options are second to none for rack mountable appliances, with each model coming equipped with a 8 GbE copper ports plus 2 10 GbE SFP+ fiber ports and 2 additional Flexi Port slots which you can configure with your choice of optional modules. For high-availability, the SG 450 also offers unparalleled redundancy features in a 1U appliance with a second SSD (RAID) integrated and an optional second power supply is available for both models.

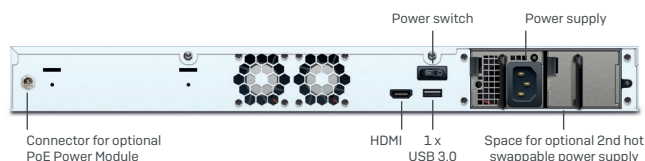
Front View



Back View SG 430



Back View SG 450



Environment

| | |
|-----------------------|---|
| Power consumption | SG 430: 28W, 96 BTU/hr (idle) 79W, 270 BTU/hr (full load) SG 450: 31W, 107 BTU/hr (idle) 83W, 283 BTU/hr (full load) |
| Operating temperature | 0-40°C (operating) -20 to + 80°C (storage) |
| Humidity | 10%-90%, non-condensing |

Product Certifications

| | |
|----------------|--|
| Certifications | CB, UL, CE, FCC Class A, ISED, VCCI, RCM, CCC, KC, BIS |
|----------------|--|

| Performance | SG 430 Rev. 2 | SG 450 Rev. 2 |
|------------------------------|---------------|---------------|
| Firewall throughput | 28 Gbps | 30 Gbps |
| VPN throughput | 4 Gbps | 5 Gbps |
| IPS throughput | 7 Gbps | 8 Gbps |
| Antivirus throughput (proxy) | 2 Gbps | 2.5 Gbps |
| Concurrent connections | 8,000,000 | 8,000,000 |
| New connections/sec | 130,000 | 140,000 |
| Maximum licensed users | unrestricted | unrestricted |

Physical interfaces

| | | |
|---------------------------------|--|---|
| Storage (local quarantine/logs) | integrated SSD | integrated SSD x2 |
| Ethernet interfaces (fixed) | 8 GbE copper (incl. 2 bypass pairs) 2 10 GbE SFP+ | |
| No. of Flexi Port slots | 2 | |
| Flexi Port modules (optional) | 8 port GbE copper 8 port GbE SFP* 2 port 10 GbE SFP+* 4 port 10 GbE SFP+* 2 port 40 GbE QSFP+* 4 port GbE PoE 8 port GbE PoE | |
| I/O ports | 2 x USB 3.0 (front) 1 x Micro USB (front) 1 x USB 3.0 (rear) 1 x COM (RJ45) (front) 1 x IPMI (front) 1 x HDMI (rear) | |
| Display | Multi-function LCD module | |
| Power supply | Internal auto-ranging 90-264VAC, 50-60 Hz Redundant PSU optional (external) | Internal auto-ranging 90-264VAC, 50-60 Hz Hot Swap Redundant PSU optional (internal) |

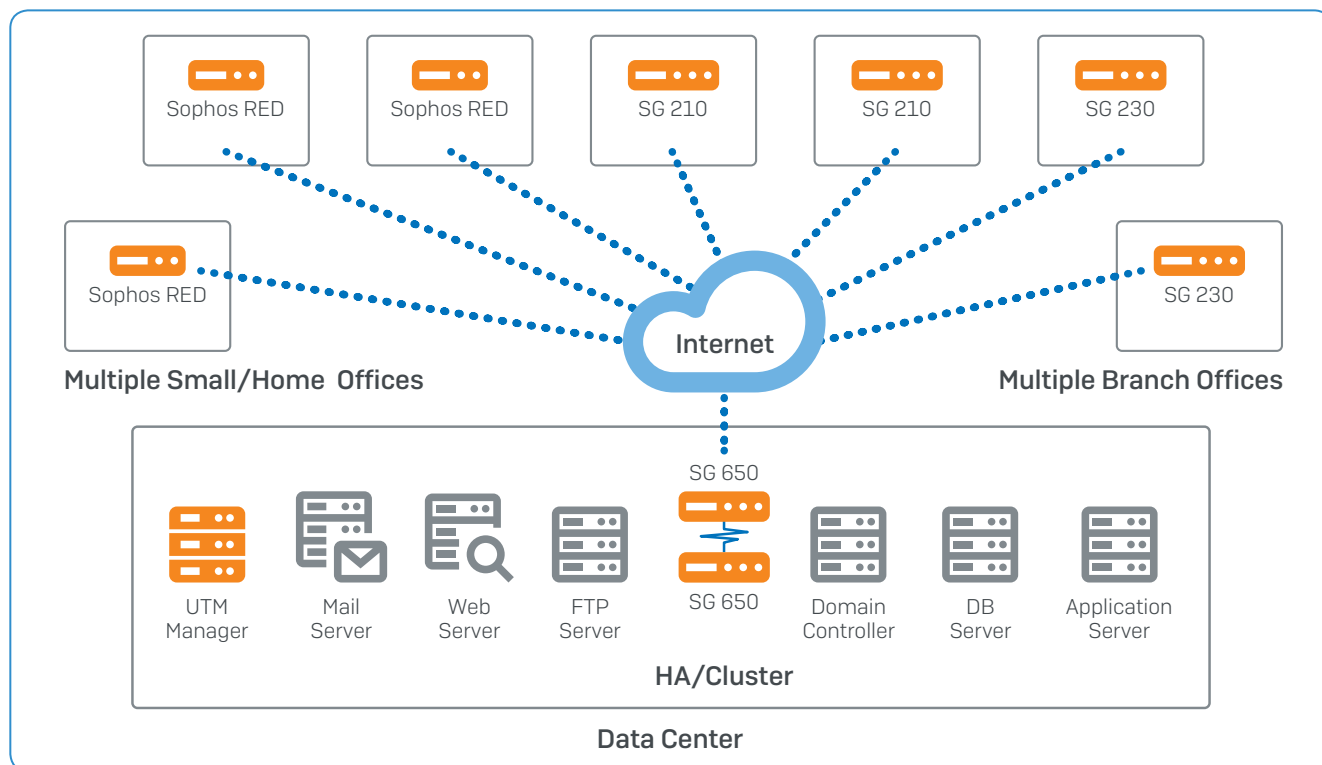
Physical specifications

| | | |
|--------------------------------------|--|--|
| Mounting | 1U rackmount (sliding rails incl.) | |
| Dimensions Width x Depth x Height | 438 x 483 x 44mm 17.24 x 19 x 1.75 inches | |
| Weight | 7.6 kg / 16.76 lbs (unpacked) 12.7 kg / 28 lbs (packed) | 7.8 kg / 17.2 lbs (unpacked) 13.8 kg / 30.42 lbs (packed) |

* Transceivers (mini GBICs) sold separately

Sophos SG Series Appliances - Large

These 2U firewalls offer the ultimate in performance and connectivity for the most demanding deployment scenarios. The following diagram shows a typical deployment in this range and demonstrates their scalability which is ideally suited for larger distributed organizations.



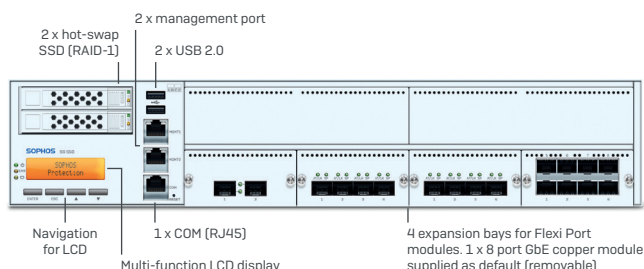
Deployment scenario showing a cluster of two SG 650 appliances as part of a large distributed organization with Sophos REDs to protect small or home offices and other SG appliances to protect branch offices. For HA support, appliances must be of the same model AND revision number

Sophos SG Series Appliances: SG 550, SG 650

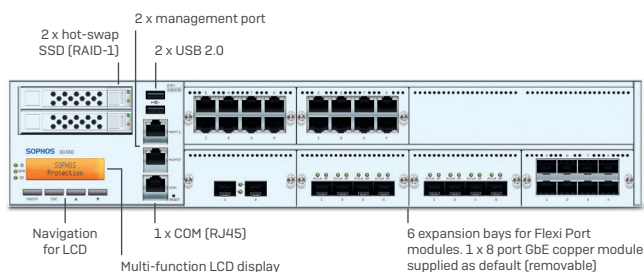
Technical Specifications

The Sophos SG 550 and SG 650 are high-performance firewalls equipped to provide protection for larger distributed organizations and data center environments. They offer the fastest Intel CPU technology available today to effortlessly handle use as an all-in-one solution or a powerful next-generation firewall. The models offer either 4 (SG 550) or 6 (SG 650) Flexi Port expansion bays to tailor your connectivity to your environment. An 8 port GbE copper module is supplied as a default. Hot-swappable dual SSDs and power supplies are standard redundancy features in this class. Cluster up to 10 of these appliances for larger deployments or simply add an additional appliance as a failover for high availability.

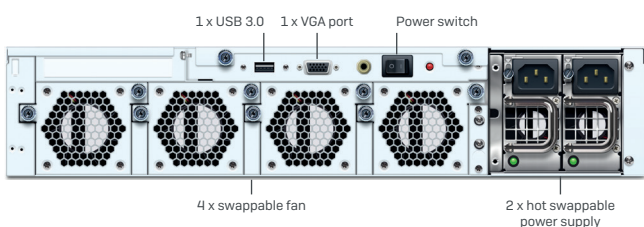
Front View SG 550



Front View SG 650



Back View



Environment

| | |
|-----------------------|---|
| Power consumption | SG 550: 270.5W, 922.98BTU/hr (idle) 416.1W, 1419.79BTU/hr (full load) SG 650: 320.5W, 1093.59BTU/hr (idle) 493.1W, 1682.53BTU/hr (full load) |
| Operating temperature | 0-40°C (operating) -40 to +70°C (storage) |
| Humidity | 5%-90%, non-condensing |

Product Certifications

| | |
|----------------|--|
| Certifications | CB, UL, CE, FCC Class A, ISED, VCCI, RCM, CCC, KC, BIS |
|----------------|--|

| Performance | SG 550 Rev. 2 | SG 650 Rev. 2 |
|------------------------------|---------------|---------------|
| Firewall throughput | 45 Gbps | 65 Gbps |
| VPN throughput | 8 Gbps | 10 Gbps |
| IPS throughput | 12 Gbps | 16 Gbps |
| Antivirus throughput (proxy) | 3.5 Gbps | 5 Gbps |
| Concurrent connections | 12,000,000 | 20,000,000 |
| New connections/sec | 100,000 | 160,000 |
| Maximum licensed users | unrestricted | unrestricted |

Physical interfaces

| | | |
|---------------------------------|---|---|
| Storage (local quarantine/logs) | 2 x integrated hot-swap SSD (RAID) | |
| Ethernet interfaces (removable) | 8 GbE copper | |
| No. of Flexi Port slots | 4 | 6 |
| Flexi Port modules (optional) | 8 port GbE copper 8 port GbE SFP* 2 port 10 GbE SFP+* 4 port 10 GbE SFP+* 2 port 40 GbE QSFP+* | |
| I/O ports | 2 x USB 2.0 (front) 1 x USB 3.0 (rear) 2 x Mgmt Port (eth0/eth1, front) 1 x COM (RJ45) (front) 1 x VGA (rear) | |
| Display | Multi-function LCD module | |
| Power supply | 2 x hot-swap internal auto-ranging 100-240VAC, 50-60 Hz PSU | |

Physical specifications

| | |
|--------------------------------------|--|
| Mounting | 2U sliding rails (included) |
| Dimensions Width x Depth x Height | 438 x 600 x 88 mm 17.24 x 23.62 x 3.46 inches |
| Weight | 17.8 kg / 39.24 lbs (unpacked) 27 kg / 59.53 lbs (packed) |

* Transceivers (mini GBICs) sold separately

Flexible licensing options

Total Protect and Total Protect Plus bundles

Most Sophos customers choose our Total Protect bundles. They give you everything you need to secure your organization in one easy-to-manage license: an SG appliance, a FullGuard or FullGuard Plus subscription, and your technical support.

FullGuard/FullGuard Plus

FullGuard combines all our core licenses in one cost-effective subscription for complete security: Essential Firewall, Network Protection, Web Protection, Email Protection, Wireless Protection and Web Server Protection. FullGuard Plus additionally includes Sandstorm Protection.

BasicGuard

Our BasicGuard subscription incorporates all the essential security features you need for your small business. Should you want to extend your protection even further, you can upgrade to a FullGuard license at any time. BasicGuard is only available with the SG 105, SG 115, SG 105w and SG 115w appliances.

Individual modules

All our modules are also available as individual subscriptions. Simply choose the ones you need.

| | Licensing options | | | |
|---|--------------------------|------------|-----------|----------------|
| Modules | Individual subscriptions | BasicGuard | FullGuard | FullGuard Plus |
| Essential Firewall - Free Network Firewall, NAT, Native Windows Remote Access | Yes | Full | Full | Full |
| Network Protection IPSec/SSL, ATP, VPN, IPS, DoS Protection | Yes | Basic | Full | Full |
| Web Protection URL Filtering, Application Control, Dual Engine Antivirus | Yes | Basic | Full | Full |
| Email Protection Anti-spam, Email Encryption and DLP, Dual Engine Antivirus | Yes | Basic | Full | Full |
| Wireless Protection Wireless Controller, Multi-SSID Support, Captive Portal | Yes | Basic | Full | Full |
| Webserver Protection Web Application Firewall, Reverse Proxy, Antivirus | Yes | - | Full | Full |
| Sandstorm Protection Cloud-based Sandboxing | Yes | Optional | Optional | Full |

Extend your security

Sophos RED Simply secure your branch offices by forwarding all traffic to the central Sophos UTM. Installation requires no technical training and there is no ongoing maintenance.

Sophos WiFi Access Points Configurationless access points are instantly protected by the UTM, letting you create secure networks for your employees or guest hotspots for your visitors.

VPN Clients Secure SSL or IPSec VPNs provide mobile and home workers with secure remote access from any location at any time.

Free UTM Manager Centrally manage multiple UTM devices through IPSec VPN tunnels; deploy policies in just a few clicks.

Awards and Reviews

Sophos SG Series UTM has garnered many awards over the years for the level of protection, usability and performance. For example, in 2017, Sophos was once again named by Gartner as a Leader in the Magic Quadrant for Unified Threat Management* – for the sixth year in a row. [Download the full report](#) to find out what Gartner says about us.



"It all adds up to an appliance that gets it right on almost every level: easy deployment, a huge range of features and a tempting price make the SG 115w the perfect choice for SMBs."



Sophos UTM is tested by trained ICSA Labs firewall analysts and continuously deployed in the ICSA Firewall Lab to routinely test products against the latest security vulnerabilities.



Independent test vendor Miercom conducted rigorous testing of the Sophos SG Series alongside comparative appliances from other vendors. They found the Sophos SG 230 and SG 210 proved best in competitive performance tests compared to other leading UTM product solutions.

* Gartner Magic Quadrant for Unified Threat Management, Jeremy D'Hoinne, Adam Hills, Rajpreet Kaur, 20 June 2017.

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