



USG6510E/USG6510E-POE/USG6530E

# **Overview**

Huawei USG6510E, USG6510E-POE and USG6530E are next-generation desktop firewalls designed for small enterprises, industry branches, and chain business organizations. In addition to the traditional firewall management mode, the cloud management mode is supported. The cloud management mode provides plug-and-play, automated service configuration, automated and visualized O&M, and big data analysis for a large number of branches to access the network securely. The network processing chip based on the ARM architecture provides pattern matching and encryption/decryption service processing acceleration capabilities, which greatly improve the performance for firewalls to process content security detection and IPSec services.

# **Product Highlights**

### Comprehensive and integrated protection

- Integrates the traditional firewall, VPN, intrusion prevention, antivirus, data leak prevention, bandwidth management, and online behavior management functions all in one device.
- Provides refined bandwidth management and guarantees bandwidth for key services based on applications and website categories, so that key services can be preferentially forwarded.

## Quick deployment, simple O&M, cloud management

• Initiates authentication and registration to the cloud management platform to implement plug-and-play and simplify network creation and deployment.

 Uses remote service configuration management, device monitoring, and fault management, implementing cloud-based management of mass devices and simplifying O&M.

### Chip-based performance improvement

- Uses the network processing chip based on the ARM architecture, improving forwarding performance significantly.
- Enables chip-level pattern matching and accelerates encryption/ decryption, improving the performance for processing IPS, antivirus, and IPSec services.

# Deployment

## Cloud-based management

- Firewalls proactively register with and quickly incorporated into the cloud management platform to implement quick device deployment without manual attendance.
- Remote service configuration management, device monitoring, and fault management are used to implement cloud-based management of mass devices and simplify O&M.

## Access to enterprise networks

- The devices support USB-based deployment, simplifying device deployment. Centralized management is supported to reduce device O&M costs.
- IPSec VPN ensures access security. IPSec intelligent uplink selection automatically detects link quality and performs intelligent tunnel switching to ensure service continuity.
- The devices can work with the Agile Controller to form a branch access security solution that provides services such as user authentication and portal customization. This solution implements unified authentication, unified O&M, and unified log management. Centralized service management eases the difficulty of managing branch offices while allowing for platform customization for branches to perform targeted marketing.



# **Specifications**

### System Performance and Capacity

Automated Threat Feed and IPS Signature Updates     Yes, an industry-leading sy (http://scc.huawei.com/sc (http://scc.huawei.com/sc Active/Active, Active/Stan Certifications       High Availability Configurations     Active/Active, Active/Stan Active/Active, Active/Stan Certifications       Hardware     CB, CE-SDOC, ROHS, REA Feature       Description     Integrates firewall, VPN, global configuration view       Application identification and control     Identifies common appli detection, antivirus, and configuration security awareness       Cloud-based management mode     Controls enterprise cloud application security awareness       Cloud application security awareness     Controls enterprise cloud application (DLP)       Inspects files to identify the management     Manages per-user and pe users. Control methods in Supports the SafeSearch f       URL filtering     Optor Supports the SafeSearch f       Behavior and content audit     Audits and traces the sou	-SD card can be added  82.8W/85.1W  con-condensing over 120 million URLs in the cloud ecurity center from Huawei ac/web/index.do) dby  cCH8WEEE(EU), RCM, NRTL, FCC&IC, CCC, VCCI intrusion prevention, antivirus, data leak prevention, r and integrated policy management. (cations, supports application-specific access control data filtering, improving detection performance and acc entication and registration to the cloud management p ce monitoring, and fault management can be performed r applications in a refined and differentiated manner to r applications in a refined and differentiated manner to r applications in a refined and differentiated manner to r applications of viruses based on the daily-updated virus felt types, such as WORD, EXCEL, POWERPOINT, and	platform to implement plug-and-play and simplify network creat I remotely, implementing the management of mass devices in the clo meet enterprises' requirements for cloud application manageme up-to-date threat information. The firewall can defend against w
Full Protection Throughput <sup>3</sup> 0.45 Gbit/s         Concurrent Sessions' (TCP)       300,000         INSW Sessions/Second' (TCP)       20,000         IPSec VPN Throughput <sup>1</sup> (AES-256+SHA256, 1420-byte)       1 Gbit/s         Maximum IPSec VPN Tunnels       1,000         SSL Inspection Throughput <sup>4</sup> 200 Mbit/s         SSL VPN Throughput <sup>4</sup> 200 Mbit/s         SSL VPN Throughput <sup>4</sup> 200 Mbit/s         Concurrent SSL VPN Users (Default/Maximum)       100/100         Firewall Policies (Maximum)       10         Dimensions (HxWxD) mm       44x250x210         Form Factor/Height       Desktop         Fixed Interface       2x6E(SFP)+10xGE         USB Port       1xUSB 2.0 Ports         MTBF       57.29 years         Weight (Full Configuration)       1.5 kg         Local Storage       Optional, a 128 GB Micro         Operating Environment (Temperature/Humidity)       100V to 240V, 50/60Hz         Power Supplies       External Power Adapters         Cap access a database of Yes, an industry-leading sc       (http://sec.huawei.com/se         Automated Threat Feed and IPS Signature Updates       Yes, an industry-leading sc         High Availability Configurations       Active/Active, Active, Active/Stan         Celudap	O.45 Gbit/s     300,000     20,000     1 Gbit/s     1,000     200 Mbit/s     200 Mbit/s     200 Mbit/s     100/100     1,000     100     2×GE(SFP)+10×GE(GE0/0/0 to GE     3000     10     10     2×GE(SFP)+10×GE(GE0/0/0 to GE     2×GE(SFP)+10×GE(GE0/0/0 to GE     3000     10     10     10     2×GE(SFP)+10×GE(GE0/0/0 to GE     3000     10	1.1 Gbit/s         500,000         30,000         2 Gbit/s         2,000         300 Mbit/s         100/500         3,000         20         #E 0/0/3 support PoE)         2×10GE(SFP+)+10×GE         #E 0/0/3 support PoE)         19.3W/21.1W         10.3W/21.1W         10.3W/21.1W         10.3W/21.1W </td
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Firewall Policies (Maximum)     1,000       Virtual Firewalls (Maximum)     10       Dimensions (Hx-Wx2D) mm     44x250x210       Form Factor/Height     Desktop       SB Port     1xUSB 2.0 Ports       MTBF     57.29 years       Weight (Full Configuration)     1.5 kg       Local Storage     Optional, a 128 GB Micro       AC Power Supply     100V to 240V, 50/GoHz       Power Consumption (Average/Maximum)     17.3W/19.6W       Power Supplies     External Power Adapters       Doparating Environment (Temperature/Humidity)     Temperature: 0°C to 45°C       JRL Filtering: URLs     Can access a database of Yes, an industry-leading si (http://sec.huawei.com/se       Automated Threat Feed and IPS Signature Updates     Yes, an industry-leading si (http://sec.huawei.com/se       Feature     Description       Integrated protection     Integrates firewall, VPN, global configuration view       Application identification and control     Identifies configuration, devic       Cloud-based management mode     Controls enterprise cloud       Accurately detects and de portection     Accurately detects or Sr mill       Data leak prevention (DLP)     Inspects files to identify it       Bandwidth management     Web Stes. Supports DNS filtering, in       URL filtering     Supports DNS filtering, in <td></td> <td>3,000 20 #E 0/0/3 support PoE) 2×10GE(SFP+)+10×GE 19.3W/21.1W 19.3W/21.1W 2.The firewall combines application identification with intru- curacy. platform to implement plug-and-play and simplify network crea I remotely, implementing the management of mass devices in the cle meet enterprises' requirements for cloud application managem up-to-date threat information. The firewall can defend against v</td>		3,000 20 #E 0/0/3 support PoE) 2×10GE(SFP+)+10×GE 19.3W/21.1W 19.3W/21.1W 2.The firewall combines application identification with intru- curacy. platform to implement plug-and-play and simplify network crea I remotely, implementing the management of mass devices in the cle meet enterprises' requirements for cloud application managem up-to-date threat information. The firewall can defend against v
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Dimensions (HxWxD) mm     44x250x210       Form Factor/Height     Desktop       Sixed Interface     2x6E(SFP)+10x6E       JSB Port     1xUSB 2.0 Ports       JTBF     57.29 years       Weight (Full Configuration)     1.5 kg       Optional, a 128 GB Micro     1.7 SW19,6W       Xoxed Storage     Optional, a 128 GB Micro       AC Power Supply     100V to 240V, 50/60Hz       Power Supply     100V to 240V, 50/60Hz       Power Supply     100V to 240V, 50/60Hz       Power Supply     17.3 W/19,6W       Power Supplies     External Power Adapters       Temperature: 0°C to 45°C     Humidity: 5% to 95%, no.       JRL Filtering: URLs     Can access a database of       Automated Threat Feed and IPS Signature Updates     Yes, an industry-leading si       Centrications     Active/Active, Active, Active/Stant       Central     CB, CE-SDOC, ROHS, REA       Peature     Description       Integrated protection     Integrates firewall, VPN, global configuration ise       Application identification and control     Identifies common appli detection, antivirus, and c       Application security awareness     Controls enterprise cloud       Cloud-based management mode     Accurately detects and de specific attacks, including Strute W detects and de specific attacks, including Strute W detects and de specific attacks including Strute W detects a	2×GE(SFP)+10×GE(GE0/0/0 to GE p-SD card can be added 82.8W/85.1W con-condensing over 120 million URLs in the cloud ecurity center from Huawei ac/web/index.do) dby cCH8WEEE(EU), RCM, NRTL, FCC&IC, CCC, VCCI intrusion prevention, antivirus, data leak prevention, r and integrated policy management. (cations, supports application-specific access control data filtering, improving detection performance and acc entication and registration to the cloud management p ce monitoring, and fault management can be performed to applications in a refined and differentiated manner to 1 applications in a refined and differentiated manner to 1 sends against vulnerability-specific attacks based on u 'SQL injection and XSS attacks. liion6 types, such as WORD, EXCEL, POWERPOINT, and	E 0/0/3 support PoE) 2×10GE(SFP+)+10×GE 19.3W/21.1W 19.3W/21.1W bandwidth management, and URL filtering functions. Provid bl. The firewall combines application identification with intrus ccuracy. platform to implement plug-and-play and simplify network crea I remotely, implementing the management of mass devices in the ck meet enterprises' requirements for cloud application managem up-to-date threat information. The firewall can defend against v
Form Factor/Height         Desktop           Fixed Interface         2xXEt(SFP)+10xGE           JSB Port         1xUSB 2.0 Ports           MTBF         57.29 years           Meight (Full Configuration)         1.5 kg           Local Storage         Optional, a 128 GB Micro           AC Power Supply         100V to 240V, 50/S0Hz           Power Consumption (Average/Maximum)         17.33W/19.6W           Power Supplies         External Power Adapters           Doperating Environment (Temperature/Humidity)         Temperature: 0°C to 45°C           Humidity: S% to 95%, no         Can access a database of (http://sec.huawei.com/se           Automated Threat Feed and IPS Signature Updates         Yes, an industry-leading s           Certifications         Catrieve Cettions           Hardware         CB, CE-SDOC, ROHS, REA           Feature         Description           Application identification and control         Identifies common application, antivirus, and c           Cloud-based management mode         Accurately detects and deployment.           Service configuration, devic         Service configuration, devic           Cloud-based management         Manages per-user and pe           Data leak prevention (DLP)         Inspects files to identify th           Bandwidth management         Wespo	-SD card can be added  82.8W/85.1W  con-condensing over 120 million URLs in the cloud ecurity center from Huawei ac/web/index.do) dby  cCH8WEEE(EU), RCM, NRTL, FCC&IC, CCC, VCCI intrusion prevention, antivirus, data leak prevention, r and integrated policy management. (cations, supports application-specific access control data filtering, improving detection performance and acc entication and registration to the cloud management p ce monitoring, and fault management can be performed r applications in a refined and differentiated manner to r applications in a refined and differentiated manner to r applications in a refined and differentiated manner to r applications of viruses based on the daily-updated virus felt types, such as WORD, EXCEL, POWERPOINT, and	19.3W/21.1W , bandwidth management, and URL filtering functions. Provid of. The firewall combines application identification with intrus ccuracy. platform to implement plug-and-play and simplify network crea I remotely, implementing the management of mass devices in the ck meet enterprises' requirements for cloud application managem up-to-date threat information. The firewall can defend against v
Fixed Interface     2×GE(SFP)+10×GE       JSB Port     1×USB 2.0 Ports       VTBF     57.29 years       Neight (Full Configuration)     1.5 kg       Occal Storage     Optional, a 128 GB Micro       AC Power Supply     100V to 240V, 50/60Hz       Power Supply     100V to 240V, 50/60Hz       Power Supplies     External Power Adapters       Optional, Elitering: URLs     Can access a database of version industry-leading st (http://sec.huawei.com/sec       Automated Threat Feed and IPS Signature Updates     (http://sec.huawei.com/sec       Figh Availability Configurations     CB, CE-SDOC, ROHS, REA       Certifications     Can access a database of version industry-leading st (http://sec.huawei.com/sec       -tardware     CB, CE-SDOC, ROHS, REA       Feature     Description       Integrates firewall, VPN, global configuration view     Integrates firewall, VPN, global configuration view       Application identification and control     Identifies common application security awareness       Cloud-based management mode     Controls enterprise cloud       Antorius prevention and web protection     Accurately detects and de specific attacks, including       Antivirus     Rapidly detects over 5 millionates per-user and pe users. Control methods in       Jata leak prevention (DLP)     Inspects files to identify th       Jata leak prevention (DLP)     Inspects files to identify th <td>-SD card can be added  82.8W/85.1W  con-condensing over 120 million URLs in the cloud ecurity center from Huawei ac/web/index.do) dby  cCH8WEEE(EU), RCM, NRTL, FCC&amp;IC, CCC, VCCI intrusion prevention, antivirus, data leak prevention, r and integrated policy management. (cations, supports application-specific access control data filtering, improving detection performance and acc entication and registration to the cloud management p ce monitoring, and fault management can be performed r applications in a refined and differentiated manner to r applications in a refined and differentiated manner to r applications in a refined and differentiated manner to r applications of viruses based on the daily-updated virus felt types, such as WORD, EXCEL, POWERPOINT, and</td> <td>19.3W/21.1W , bandwidth management, and URL filtering functions. Provid of. The firewall combines application identification with intrus ccuracy. platform to implement plug-and-play and simplify network crea I remotely, implementing the management of mass devices in the ck meet enterprises' requirements for cloud application managem up-to-date threat information. The firewall can defend against v</td>	-SD card can be added  82.8W/85.1W  con-condensing over 120 million URLs in the cloud ecurity center from Huawei ac/web/index.do) dby  cCH8WEEE(EU), RCM, NRTL, FCC&IC, CCC, VCCI intrusion prevention, antivirus, data leak prevention, r and integrated policy management. (cations, supports application-specific access control data filtering, improving detection performance and acc entication and registration to the cloud management p ce monitoring, and fault management can be performed r applications in a refined and differentiated manner to r applications in a refined and differentiated manner to r applications in a refined and differentiated manner to r applications of viruses based on the daily-updated virus felt types, such as WORD, EXCEL, POWERPOINT, and	19.3W/21.1W , bandwidth management, and URL filtering functions. Provid of. The firewall combines application identification with intrus ccuracy. platform to implement plug-and-play and simplify network crea I remotely, implementing the management of mass devices in the ck meet enterprises' requirements for cloud application managem up-to-date threat information. The firewall can defend against v
Fixed Interface     2×GE(SFP)+10×GE       JSB Port     1×USB 2.0 Ports       WTBF     57.29 years       Weight (Full Configuration)     1.5 kg       Occal Storage     Optional, a 128 GB Micro       AC Power Supply     100V to 240V, 50/60Hz       Power Consumption (Average/Maximum)     17.3W/19.6W       Power Supplies     Can access a database of Yes, an industry-leading st (http://sec.huawei.com/se industry-leading st (http://sec.huawei.com	-SD card can be added  82.8W/85.1W  con-condensing over 120 million URLs in the cloud ecurity center from Huawei ac/web/index.do) dby  cCH8WEEE(EU), RCM, NRTL, FCC&IC, CCC, VCCI intrusion prevention, antivirus, data leak prevention, r and integrated policy management. (cations, supports application-specific access control data filtering, improving detection performance and acc entication and registration to the cloud management p ce monitoring, and fault management can be performed r applications in a refined and differentiated manner to r applications in a refined and differentiated manner to r applications in a refined and differentiated manner to r applications of viruses based on the daily-updated virus felt types, such as WORD, EXCEL, POWERPOINT, and	19.3W/21.1W , bandwidth management, and URL filtering functions. Provid of. The firewall combines application identification with intrus ccuracy. platform to implement plug-and-play and simplify network crea I remotely, implementing the management of mass devices in the ck meet enterprises' requirements for cloud application managem up-to-date threat information. The firewall can defend against v
JSB Port     1xUSB 2.0 Ports       MTBF     57.29 years       Weight (Full Configuration)     1.5 kg       J.Scal Storage     Optional, a 128 GB Micro       AC Power Supply     100V to 240V, 50/60Hz       Power Consumption (Average/Maximum)     17.3W/19.6W       Power Supplies     External Power Adapters       Deparating Environment (Temperature/Humidity)     Temperature: 0°C to 45°C       JRL Filtering: URLs     Can access a database of       Automated Threat Feed and IPS Signature Updates     Yes, an industry-leading si       High Availability Configurations     Active/Active, Active/Stan       Centre     Description       Integrated protection     Integrates firewall, VPN, global configuration view       Application identification and control     The firewall initiates auth and deployment.       Service configuration security awareness     Controls entyres and data specific attacks, including industry detects and data specific attacks, including antivirus       Data leak prevention (DLP)     Inspects files to identify it Bandwidth management       URL filtering     Orivides and traces the sou       JRL filtering     Orivides and traces the sou	-SD card can be added  82.8W/85.1W  con-condensing over 120 million URLs in the cloud ecurity center from Huawei ac/web/index.do) dby  cCH8WEEE(EU), RCM, NRTL, FCC&IC, CCC, VCCI intrusion prevention, antivirus, data leak prevention, r and integrated policy management. (cations, supports application-specific access control data filtering, improving detection performance and acc entication and registration to the cloud management p ce monitoring, and fault management can be performed r applications in a refined and differentiated manner to r applications in a refined and differentiated manner to r applications in a refined and differentiated manner to r applications of viruses based on the daily-updated virus felt types, such as WORD, EXCEL, POWERPOINT, and	19.3W/21.1W , bandwidth management, and URL filtering functions. Provid of. The firewall combines application identification with intrus ccuracy. platform to implement plug-and-play and simplify network crea I remotely, implementing the management of mass devices in the ck meet enterprises' requirements for cloud application managem up-to-date threat information. The firewall can defend against v
MTBF     57.29 years       Weight (Full Configuration)     1.5 kg       Jocal Storage     Optional, a 128 GB Micro       AC Power Supply     100V to 240V, 50/60Hz       Power Consumption (Average/Maximum)     17.3W/19.6W       Power Supplies     External Power Adapters       Deparating Environment (Temperature/Humidity)     Temperature: 0°C to 45°C       Humidity: 5% to 95%, no.     Can access a database of Yes, an industry-leading si (http://sec.huawei.com/se Adite/Active, Active/Active, Acti	82.8W/85.1W con-condensing over 120 million URLs in the cloud ecurity center from Huawei ac/web/index.do) dby ccH&WEEE(EU), RCM, NRTL, FCC&IC, CCC, VCCI intrusion prevention, antivirus, data leak prevention, and integrated policy management. ications, supports application-specific access control data filtering, improving detection performance and acc entication and registration to the cloud management p ce monitoring, and fault management can be performed of applications in a refined and differentiated manner to i efends against vulnerability-specific attacks based on u SQL injection and XS attacks. liion6 types, such as WORD, EXCEL, POWERPOINT, and	n, bandwidth management, and URL filtering functions. Provid ol. The firewall combines application identification with intru- ccuracy. platform to implement plug-and-play and simplify network crea I remotely, implementing the management of mass devices in the ck meet enterprises' requirements for cloud application managem up-to-date threat information. The firewall can defend against v
Weight (Full Configuration)       1.5 kg         Local Storage       Optional, a 128 GB Micro         AC Power Supply       100V to 240V, 50/60Hz         Power Consumption (Average/Maximum)       17.3W/19.6W         Power Supplies       External Power Adapters         Operating Environment (Temperature/Humidity)       Temperature: 0°C to 45°C         JRL Filtering: URLs       Can access a database of version industry-leading st (http://sec.huawei.com/see         Automated Threat Feed and IPS Signature Updates       Yes, an industry-leading st (http://sec.huawei.com/see         Certifications       Cather Configurations       Active/Active, Active/Stant Certifications         Cature       Description       Integrates firewall, VPN, global configuration view         Application identification and control       Identifies common application, activics, and configuration, devic         Cloud-based management mode       Controls enterprise cloud         Antivirus       Rapidy detects and de specific attacks, including antivirus         Data leak prevention (DLP)       Inspects files per-user and pe users. Control methods in mapsets files our of bigh-priority websites. Supports DNS filtering, in Supports the SafeSearch f	82.8W/85.1W con-condensing over 120 million URLs in the cloud ecurity center from Huawei ac/web/index.do) dby ccH&WEEE(EU), RCM, NRTL, FCC&IC, CCC, VCCI intrusion prevention, antivirus, data leak prevention, and integrated policy management. ications, supports application-specific access control data filtering, improving detection performance and acc entication and registration to the cloud management p ce monitoring, and fault management can be performed n applications in a refined and differentiated manner to i efends against vulnerability-specific attacks based on u SQL injection and XS attacks. liion6 types, such as WORD, EXCEL, POWERPOINT, and	n, bandwidth management, and URL filtering functions. Provid ol. The firewall combines application identification with intru ccuracy. platform to implement plug-and-play and simplify network crea I remotely, implementing the management of mass devices in the clu meet enterprises' requirements for cloud application managem up-to-date threat information. The firewall can defend against v
Local Storage     Optional, a 128 GB Micro       AC Power Supply     100V to 240V, 50/60Hz       Power Consumption (Average/Maximum)     17.3W/19.6W       Power Supplies     External Power Adapters       Deprating Environment (Temperature/Humidity)     Temperature: 0°C to 45°C       JRL Filtering: URLs     Can access a database of       Automated Threat Feed and IPS Signature Updates     Yes, an industry-leading st       High Availability Configurations     Active/Active, Active/Stan       Certifications     External Power Adapters       Feature     Description       Integrated protection     Integrates firewall, VPN, global configuration view       Application identification and control     The firewall initiates auth and deployment. Service configuration, appli detection, antivirus, and control       Cloud-based management mode     The firewall initiates auth and deployment. Service configuration, devic       Cloud application security awareness     Controls enterprise cloud       Accurately detects and de specific attacks, including indepting and width management     Wanages per-user and pe users. Control methods in Provides a URL category of high-priority websites. Supports DNS filtering, in Supports DNS filtering, in Supports the SafeSearch filtering	82.8W/85.1W con-condensing over 120 million URLs in the cloud ecurity center from Huawei ac/web/index.do) dby ccH&WEEE(EU), RCM, NRTL, FCC&IC, CCC, VCCI intrusion prevention, antivirus, data leak prevention, and integrated policy management. ications, supports application-specific access control data filtering, improving detection performance and acc entication and registration to the cloud management p ce monitoring, and fault management can be performed n applications in a refined and differentiated manner to i efends against vulnerability-specific attacks based on u SQL injection and XS attacks. liion6 types, such as WORD, EXCEL, POWERPOINT, and	n, bandwidth management, and URL filtering functions. Provid ol. The firewall combines application identification with intru- ccuracy. platform to implement plug-and-play and simplify network crea I remotely, implementing the management of mass devices in the ck meet enterprises' requirements for cloud application managem up-to-date threat information. The firewall can defend against v
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Power Consumption (Average/Maximum)         17.3W/19.6W           Power Supplies         External Power Adapters           Operating Environment (Temperature/Humidity)         Temperature: 0°C to 45°C           JRL Filtering: URLs         Can access a database of Yes, an industry-leading sx (http://sec.huawei.com/se           Automated Threat Feed and IPS Signature Updates         Yes, an industry-leading sx (http://sec.huawei.com/se           High Availability Configurations         Active/Active, Active/Stan           Cartifications         External           Hardware         CB, CE-SDOC, ROHS, REA           Feature         Description           Integrated protection         Integrates firewall, VPN, global configuration view           Application identification and control         Identifies common application, antivirus, and c           Cloud-based management mode         The firewall initiates authe and deployment.           Service configuration, devic         Service configuration, devic           Cloud application security awareness         Controls enterprise cloud           Antivirus         Rapidly detects over 5 mill           Data leak prevention (DLP)         Inspects files to identify th           Bandwidth management         Wanages per-user and pe users. Control methods in           URL filtering         Or foigh-prointy websites.           Supports DNS	on-condensing over 120 million URLs in the cloud ecurity center from Huawei ecweb/index.do) dby wcH&WEEE(EU), RCM, NRTL, FCC&IC, CCC, VCCI intrusion prevention, antivirus, data leak prevention, and integrated policy management. ications, supports application-specific access control data filtering, improving detection performance and acc entication and registration to the cloud management p ce monitoring, and fault management can be performed r applications in a refined and differentiated manner to i efends against vulnerability-specific attacks based on u 'SQL injection and XSS attacks. llion6 types, such as WORD, EXCEL, POWERPOINT, and	n, bandwidth management, and URL filtering functions. Provid ol. The firewall combines application identification with intru- ccuracy. platform to implement plug-and-play and simplify network crea I remotely, implementing the management of mass devices in the ck meet enterprises' requirements for cloud application managem up-to-date threat information. The firewall can defend against v
Power Consumption (Average/Maximum)         17.3W/19.6W           Power Supplies         External Power Adapters           Operating Environment (Temperature/Humidity)         Temperature: 0°C to 45°C           JRL Filtering: URLs         Can access a database of Yes, an industry-leading sx (http://sec.huawei.com/se           Automated Threat Feed and IPS Signature Updates         Yes, an industry-leading sx (http://sec.huawei.com/se           High Availability Configurations         Active/Active, Active/Stan           Cartifications         External           Hardware         CB, CE-SDOC, ROHS, REA           Feature         Description           Integrated protection         Integrates firewall, VPN, global configuration view           Application identification and control         Identifies common application, antivirus, and c           Cloud-based management mode         The firewall initiates authe and deployment.           Service configuration, devic         Service configuration, devic           Cloud application security awareness         Controls enterprise cloud           Antivirus         Rapidly detects over 5 mill           Data leak prevention (DLP)         Inspects files to identify th           Bandwidth management         Wanages per-user and pe users. Control methods in           URL filtering         Or foigh-prointy websites.           Supports DNS	on-condensing over 120 million URLs in the cloud ecurity center from Huawei ecweb/index.do) dby wcH&WEEE(EU), RCM, NRTL, FCC&IC, CCC, VCCI intrusion prevention, antivirus, data leak prevention, and integrated policy management. ications, supports application-specific access control data filtering, improving detection performance and acc entication and registration to the cloud management p ce monitoring, and fault management can be performed r applications in a refined and differentiated manner to i efends against vulnerability-specific attacks based on u 'SQL injection and XSS attacks. llion6 types, such as WORD, EXCEL, POWERPOINT, and	n, bandwidth management, and URL filtering functions. Provid ol. The firewall combines application identification with intru- ccuracy. platform to implement plug-and-play and simplify network crea I remotely, implementing the management of mass devices in the ck meet enterprises' requirements for cloud application managem up-to-date threat information. The firewall can defend against v
Power Supplies         External Power Adapters           Deprating Environment (Temperature/Humidity)         Temperature: 0°C to 45°C           JRL Filtering: URLs         Can access a database of           Automated Threat Feed and IPS Signature Updates         Yes, an industry-leading so           High Availability Configurations         Active/Active, Active/Stan           Certifications         External Power Adapters           Hardware         CB, CE-SDOC, ROHS, REA           Feature         Description           Integrated protection         Integrates firewall, VPN, global configuration view           Application identification and control         Identifies common appli detection, antivius, and control           Cloud-based management mode         Controls enterprise cloud detection, antivius, and control service configuration, device           Cloud application security awareness         Controls enterprise cloud for any detects and desperime detection and specific attacks, including antivirus           Data leak prevention (DLP)         Inspects files to identify th           Bandwidth management         Manages per-user and per users. Control sent prise and per users. Supports DNS filtering, in Supports the SafeSearch filtering	on-condensing over 120 million URLs in the cloud ecurity center from Huawei ecweb/index.do) dby wcH&WEEE(EU), RCM, NRTL, FCC&IC, CCC, VCCI intrusion prevention, antivirus, data leak prevention, and integrated policy management. ications, supports application-specific access control data filtering, improving detection performance and acc entication and registration to the cloud management p ce monitoring, and fault management can be performed r applications in a refined and differentiated manner to i efends against vulnerability-specific attacks based on u 'SQL injection and XSS attacks. llion6 types, such as WORD, EXCEL, POWERPOINT, and	n, bandwidth management, and URL filtering functions. Provid ol. The firewall combines application identification with intru- ccuracy. platform to implement plug-and-play and simplify network crea I remotely, implementing the management of mass devices in the ck meet enterprises' requirements for cloud application managem up-to-date threat information. The firewall can defend against v
Operating Environment (Temperature/Humidity)         Temperature: 0°C to 45°C Humidity: 5% to 95%, no.           JRL Filtering: URLs         Can access a database of Yes, an industry-leading si (http://sec.huawei.com/sec adatabase           Automated Threat Feed and IPS Signature Updates         Yes, an industry-leading si (http://sec.huawei.com/sec adatabase           Certifications         Active/Active, Active/Active, Active/Stant           Certifications         Exercise           Hardware         CB, CE-SDOC, ROHS, REA           Feature         Description           Integrated protection         Integrates firewall, VPN, global configuration ivew Identification and control           Application identification and control         The firewall initiates auth and deployment.           Cloud-based management mode         Controls enterprise cloud Accurately detects and de specific attacks, including Antivirus           Data leak prevention (DLP)         Inspects files to identify it Manages per-user and pu users. Control methods in Provides a URL category of of high-priority websites. Supports DNS filtering, in Supports DNS filtering, in Supports the SafeSearch f Audits and traces the sou	on-condensing over 120 million URLs in the cloud ecurity center from Huawei ec/web/index.do) dby ACH&WEEE(EU), RCM, NRTL, FCC&IC, CCC, VCCI intrusion prevention, antivirus, data leak prevention, and integrated policy management. ications, supports application-specific access control data filtering, improving detection performance and acc entication and registration to the cloud management p ce monitoring, and fault management can be performed n applications in a refined and differentiated manner to efends against vulnerability-specific attacks based on u SQL injection and XSS attacks. liion6 types, such as WORD, EXCEL, POWERPOINT, and	b). The firewall combines application identification with intrust ccuracy. platform to implement plug-and-play and simplify network creat remotely, implementing the management of mass devices in the cle meet enterprises' requirements for cloud application managem up-to-date threat information. The firewall can defend against v
Uppertuning Environment (temperature/number)     Humidity: 5% to 95%, no       JRL Filtering: URLs     Can access a database of       Automated Threat Feed and IPS Signature Updates     Yes, an industry-leading st       High Availability Configurations     Active/Active, Active/Standard       Certifications     CB, CE-SDOC, ROHS, REA       Feature     Description       Integrated protection     Integrates firewall, VPN, global configuration view       Application identification and control     Identifies common application, antivirus, and can deployment.       Service configuration, devic     Controls enterprise cloud       Cloud-based management mode     The firewall initiates authe and deployment.       Service configuration, devic     Controls enterprise cloud       Accurately detects over 5 mill     Insepts files to identify the same and genoment.       Sandwidth management     Web protection       Accurately detects over 5 mill     Insepts files to identify the same and genoment of the same and genoment.       Sandwidth management     Users. Control methods in provides a URL category of high-priority websites.       JRL filtering     Supports DNS filtering, in Supports DNS filtering, in Supports DNS filtering.	on-condensing over 120 million URLs in the cloud ecurity center from Huawei ec/web/index.do) dby ACH&WEEE(EU), RCM, NRTL, FCC&IC, CCC, VCCI intrusion prevention, antivirus, data leak prevention, and integrated policy management. ications, supports application-specific access control data filtering, improving detection performance and acc entication and registration to the cloud management p ce monitoring, and fault management can be performed n applications in a refined and differentiated manner to efends against vulnerability-specific attacks based on u SQL injection and XSS attacks. liion6 types, such as WORD, EXCEL, POWERPOINT, and	b). The firewall combines application identification with intrust ccuracy. platform to implement plug-and-play and simplify network creat remotely, implementing the management of mass devices in the cle meet enterprises' requirements for cloud application managem up-to-date threat information. The firewall can defend against v
URL Filtering: URLs Individual of the set of	over 120 million URLs in the cloud ecurity center from Huawei ecweb/index.do) dby CH&WEEE(EU), RCM, NRTL, FCC&IC, CCC, VCCI intrusion prevention, antivirus, data leak prevention, and integrated policy management. ications, supports application-specific access control data filtering, improving detection performance and acc entication and registration to the cloud management p ce monitoring, and fault management can be performed i applications in a refined and differentiated manner to r efends against vulnerability-specific attacks based on u 'SQL injection and XSS attacks. liion6 types, such as WORD, EXCEL, POWERPOINT, and	b). The firewall combines application identification with intrust ccuracy. platform to implement plug-and-play and simplify network crea I remotely, implementing the management of mass devices in the cle meet enterprises' requirements for cloud application managem up-to-date threat information. The firewall can defend against w
JRL Filtering: URLs     Can access a database of       Automated Threat Feed and IPS Signature Updates     Yes, an industry-leading sy (http://sec.huavei.com/se       High Availability Configurations     Active/Active, Active/Stant       Certifications     Hereal       Feature     Description       Integrated protection     Integrates firewall, VPN, global configuration view       Application identification and control     Identifies common appli detection, antivirus, and control       Cloud-based management mode     Controls enterprise cloud horizon and protection       Cloud-based management mode     Controls enterprise cloud detection, antivirus       Cloud application security awareness     Controls enterprise cloud detection and protection       Antivirus     Rapidly detects over 5 mil Data leak prevention (DLP)       Bandwidth management     Wessites. Supports DNS filtering, in Supports the safe search	over 120 million URLs in the cloud ecurity center from Huawei ecweb/index.do) dby CH&WEEE(EU), RCM, NRTL, FCC&IC, CCC, VCCI intrusion prevention, antivirus, data leak prevention, and integrated policy management. ications, supports application-specific access control data filtering, improving detection performance and acc entication and registration to the cloud management p ce monitoring, and fault management can be performed i applications in a refined and differentiated manner to r efends against vulnerability-specific attacks based on u 'SQL injection and XSS attacks. liion6 types, such as WORD, EXCEL, POWERPOINT, and	b). The firewall combines application identification with intruccuracy. platform to implement plug-and-play and simplify network creat remotely, implementing the management of mass devices in the old meet enterprises' requirements for cloud application managem up-to-date threat information. The firewall can defend against v
Automated Threat Feed and IPS Signature Updates         Yes, an industry-leading signature Updates           High Availability Configurations         Active/Active, Active/Stant           Certifications         Active/Active, Active/Act	ecurity center from Huawei ac/web/index.do) dby xCH&WEEE(EU), RCM, NRTL, FCC&IC, CCC, VCCI intrusion prevention, antivirus, data leak prevention, and integrated policy management. ications, supports application-specific access control data filtering, improving detection performance and acc entication and registration to the cloud management p ce monitoring, and fault management can be performed 1 applications in a refined and differentiated manner to 1 efends against vulnerability-specific attacks based on u 'SQL injection and XSS attacks. Illion6 types, such as WORD, EXCEL, POWERPOINT, and	b). The firewall combines application identification with intruccuracy. platform to implement plug-and-play and simplify network creat remotely, implementing the management of mass devices in the old meet enterprises' requirements for cloud application managem up-to-date threat information. The firewall can defend against v
Automated Initial Signature Updates       (http://sec.huawei.com/se         High Availability Configurations       Active/Active, Active/Active, Active/Sective, Active/Active, Actiteracion, Interve/Actitex/Active, Active/Active, Active/Active, Ac	ec/web/index.do) dby xCH&WEEE(EU), RCM, NRTL, FCC&IC, CCC, VCCI intrusion prevention, antivirus, data leak prevention, and integrated policy management. ications, supports application-specific access control data filtering, improving detection performance and acc entication and registration to the cloud management p ce monitoring, and fault management can be performed or applications in a refined and differentiated manner to i efends against vulnerability-specific attacks based on u SQL injection and XS attacks. liion6 types of viruses based on the daily-updated virus a file types, such as WORD, EXCEL, POWERPOINT, and	b). The firewall combines application identification with intruccuracy. platform to implement plug-and-play and simplify network creat remotely, implementing the management of mass devices in the during meet enterprises' requirements for cloud application managemup-to-date threat information. The firewall can defend against very series of the seri
High Availability Configurations     Active/Active, Active/Stand Certifications       Hardware     CB, CE-SDOC, ROHS, REA       Feature     Description       Integrated protection     Integrates firewall, VPN, global configuration view       Application identification and control     Identifies common appli detection, antivirus, and c       Cloud-based management mode     The firewall initiates auth and deployment. Service configuration, dewid       Cloud application security awareness     Controls enterprise cloud applid detects and de specific attacks, including       Antivirus     Rapidly detects over 5 mil users. Control       Bandwidth management     Manages per-user and pe users. Control weboits       URL filtering     Vorides a URL category of of high-priority websites. Supports DNS filtering, in Supports DNS filtering, in Supports the SafeSearch filtering	dby CH&WEEE(EU), RCM, NRTL, FCC&IC, CCC, VCCI intrusion prevention, antivirus, data leak prevention, and integrated policy management. ications, supports application-specific access control data filtering, improving detection performance and acc entication and registration to the cloud management p ce monitoring, and fault management can be performed if applications in a refined and differentiated manner to refends against vulnerability-specific attacks based on u sQL injection and XSS attacks. liion6 types, such as WORD, EXCEL, POWERPOINT, and	b). The firewall combines application identification with intruccuracy. platform to implement plug-and-play and simplify network creat remotely, implementing the management of mass devices in the old meet enterprises' requirements for cloud application managem up-to-date threat information. The firewall can defend against v
Certifications         CB, CE-SDOC, ROHS, REA           Hardware         CB, CE-SDOC, ROHS, REA           Feature         Description           Integrated protection         Integrates firewall, VPN, global configuration view           Application identification and control         Identifies common appli detection, antivirus, and c           Cloud-based management mode         The firewall initiates auth and deployment.           Cloud application security awareness         Controls enterprise cloud Accurately detects and de specific attacks, including Antivirus           Data leak prevention (DLP)         Inspects files to identify the Manages per-user and pe users. Control methods in Provides a URL category co of high-priority websites. Supports DNS filtering, in Supports the SafeSearch filtering, in Supports the SafeSearch filtering, in Supports the SafeSearch filtering.	ACH&WEEE(EU), RCM, NRTL, FCC&IC, CCC, VCCI intrusion prevention, antivirus, data leak prevention, and integrated policy management. ications, supports application-specific access control data filtering, improving detection performance and acc entication and registration to the cloud management p ce monitoring, and fault management can be performed r applications in a refined and differentiated manner to i efends against vulnerability-specific attacks based on u SQL injection and XSS attacks. Inion6 types of viruses based on the daily-updated virus ne file types, such as WORD, EXCEL, POWERPOINT, and	b). The firewall combines application identification with intruccuracy. platform to implement plug-and-play and simplify network creat remotely, implementing the management of mass devices in the old meet enterprises' requirements for cloud application managem up-to-date threat information. The firewall can defend against v
Hardware     CB, CE-SDOC, ROHS, REA       Feature     Description       Integrated protection     Integrates firewall, VPN, global configuration view       Application identification and control     Identifies common appli detection, antivirus, and c       Cloud-based management mode     The firewall initiates auther and deployment.       Service configuration, devic     Controls enterprise cloud       Intugrates     Controls enterprise cloud       Intrusion prevention and web protection     Accurately detects and de specific attacks, including       Antivirus     Rapidly detects over 5 mill       Data leak prevention (DLP)     Inspects files to identify th       JRL filtering     Or filgh-priority websites. Supports DNS filtering, in Supports DNS filtering, in Supports the SafeSearch f	intrusion prevention, antivirus, data leak prevention, and integrated policy management. ications, supports application-specific access control data filtering, improving detection performance and acc entication and registration to the cloud management p ce monitoring, and fault management can be performed i applications in a refined and differentiated manner to n efends against vulnerability-specific attacks based on u SQL injection and XSS attacks. liion6 types, such as WORD, EXCEL, POWERPOINT, and	b). The firewall combines application identification with intruccuracy. platform to implement plug-and-play and simplify network creat remotely, implementing the management of mass devices in the old meet enterprises' requirements for cloud application managem up-to-date threat information. The firewall can defend against v
Feature         Description           Integrated protection         Integrates frewall, VPN, global configuration view ldentifies common appli detection, antivirus, and c           Application identification and control         Identifies common appli detection, antivirus, and c           Cloud-based management mode         The firewall initiates author and deployment.           Cloud application security awareness         Controls enterprise cloud Accurately detects and de specific attacks, including Antivirus           Data leak prevention (DLP)         Inspect files to identify th Manages per-user and pe users. Control methods in Provides a URL category o of high-priority websites. Supports DNS filtering, in Supports DNS filtering, in Supports DNS filtering, in           Behavior and content audit         Audits and traces the sou	intrusion prevention, antivirus, data leak prevention, and integrated policy management. ications, supports application-specific access control data filtering, improving detection performance and acc entication and registration to the cloud management p ce monitoring, and fault management can be performed i applications in a refined and differentiated manner to n efends against vulnerability-specific attacks based on u SQL injection and XSS attacks. liion6 types, such as WORD, EXCEL, POWERPOINT, and	b). The firewall combines application identification with intrust ccuracy. platform to implement plug-and-play and simplify network crea I remotely, implementing the management of mass devices in the cle meet enterprises' requirements for cloud application managem up-to-date threat information. The firewall can defend against w
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Application identification and control     global Configuration New       Application identification and control     identifies common applidetection, antivirus, and control       Cloud-based management mode     The firewall initiates authand       Cloud-based management mode     The firewall initiates authand       Cloud-based management mode     Controls enterprise cloud       Cloud-based management mode     Accurately detects and de specific attacks, including       Antivirus     Rapidly detects over 5 mill       Data leak prevention (DLP)     Inspects files to identify it       Bandwidth management     users. Control methods in       URL filtering     Or high-priority websites.       Supports DNS filtering, in     Supports DNS filtering, in       Behavior and content audit     Audits and traces the sou	ications, supports application-specific access control data filtering, improving detection performance and acc entication and registration to the cloud management p ce monitoring, and fault management can be performed i applications in a refined and differentiated manner to efends against vulnerability-specific attacks based on u SQL injection and XSS attacks. liion6 types of viruses based on the daily-updated virus e file types, such as WORD, EXCEL, POWERPOINT, and	ccuracy. platform to implement plug-and-play and simplify network crea I remotely, implementing the management of mass devices in the ck meet enterprises' requirements for cloud application managem up-to-date threat information. The firewall can defend against v
Application identification and control     Identifies common applidetection, antivirus, and C       Cloud-based management mode     The firewall initiates auth and deployment.       Cloud application security awareness     Controls enterprise cloud       Intrusion prevention and web protection     Accurately detects and de specific attacks, including       Antivirus     Rapidly detects over 5 mil Usata leak prevention (DLP)       Bandwidth management     Manages per-user and pe users. Control methods in Supports DNS filtering, in Supports DNS filtering, in Supports DNS filtering, in Supports DNS filtering, in       Behavior and content audit     Audits and traces the sou	ications, supports application-specific access control data filtering, improving detection performance and acc entication and registration to the cloud management p ce monitoring, and fault management can be performed i applications in a refined and differentiated manner to efends against vulnerability-specific attacks based on u SQL injection and XSS attacks. liion6 types of viruses based on the daily-updated virus e file types, such as WORD, EXCEL, POWERPOINT, and	ccuracy. platform to implement plug-and-play and simplify network crea I remotely, implementing the management of mass devices in the cla meet enterprises' requirements for cloud application managem up-to-date threat information. The firewall can defend against v
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Bandwidth management Manages per-user and pe users. Control methods in Provides a URL category of Migh-priority websites. Supports DNS filtering, in Behavior and content audit Audits and traces the sou		
URL filtering Supports DNS filtering, in Behavior and content audit Audi	er-IP bandwidth in addition to identifying service application	
URL filtering Or the Safe Search 1 Behavior and content audit Audits and traces the sou		cations to ensure the network access experience of key services
URL filtering Provides a URL category of high-priority websites. Supports DNS filtering, in Supports DNS filtering, in Supports the SafeSearch f Behavior and content audit Audits and traces the sou	clude limiting the maximum bandwidth, ensuring the m	minimum bandwidth, and changing application forwarding priori
URL filtering of high-priority websites. Supports DNS filtering, in Supports the SafeSearch 1 Behavior and content audit Audits and traces the sou		ccess to specific categories of websites, improving access experie
Behavior and content audit Supports DNS filtering, in Supports the SafeSearch f Audits and traces the sou		
Supports the SafeSearch f           Behavior and content audit         Audits and traces the sou	which accessed web pages are filtered based on doma	ain names
Behavior and content audit Audits and traces the sou		Google, to guarantee access to only healthy network resources.
		abogie, to guarantee access to only nearing network resources.
	rces of the accessed content based on users.	
Load balancing Supports link load balanci	ing to make full use of existing network resources.	
Supports convice-specific I		e load balancing algorithms (for example, based on bandwidth r
Intelligent uplink selection and link health status) in r		standing and a standard and a standard and a standard and
		2TR V/RN and GRE and provides the Unaversideveloped V/RN of
		L2TP VPN, and GRE, and provides the Huawei-developed VPN cl
Secoclient for SSE VFN, E	2TP VPN, and L2TP over IPSec VPN remote access.	
		public addresses are dynamically changed, reducing the network
and O&M costs of the bra	anches.	
Detects and defends aga	inst threats in SSL-encrypted traffic using application	n-layer protection methods, such as intrusion prevention, antivi
SSL-encrypted traffic detection data filtering, and URL filt		
Supports multiple user au		ACACS, AD, and LDAP. The firewall supports built-in Portal and Po
redirection functions. It ca	an work with the Agile Controller to implement multiple	
		all, intrusion prevention, antivirus, and VPN. Users can separa
<ul> <li>conduct personal manage</li> </ul>	ement on the same physical device.	
		nes, regions, applications, URL categories, and time ranges,
Policy Management implements integrated co		
	mon-scenario defense templates to facilitate security po	olicy deployment.
	anagement solutions in partnership with FireMon and	
	ulti-dimensional report display by user, application, con	
		atform to evaluate the current network security status and pro
optimization suggestions.		
Routing Supports multiple types o	f routing protocols and features, such as RIP, OSPF, BGF	JP, IS-IS, RIPng, OSPFv3, BGP4+, and IPv6 IS-IS.
	iting, and hybrid working modes.	
The performance is tested under ideal conditions based on RFC2544, 3511. The a	actual result may yang with donlogmont onvironments	
Antivirus, IPS, and SA performances are measured using 100 KB HTTP files.	accouncesure may vary with deployment environments	
	, ,, ,	5.
Full protection throughput is measured with Firewall, SA, IPS, Antivirus and URL F		
SSL inspection throughput is measured with IPS enabled and HTTPS traffic using T	iltering enabled. Antivirus, IPS and SA performances a	
SSL VPN throughput is measured using TLS v1.2 with AES128-SHA.	iltering enabled. Antivirus, IPS and SA performances a	
The USG6510E/USG6510E-POE supports the detection of 2 million viruses. A: Service Awareness.	iltering enabled. Antivirus, IPS and SA performances a	

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