



**VOTRE PARTENAIRE  
TECHNOLOGIQUE  
POUR DES INFRASTRUCTURES IT  
SÉCURISÉES ET PERFORMANTES**



**EXPERTISE**

Des solutions adaptées  
à chaque environnement



**CONFIANCE**

Un partenaire fiable  
à vos côtés



**PERFORMANCE**

Des infrastructures  
sécurisées et évolutives



**SUPPORT**

Un accompagnement  
technique de qualité



**HAFS**

*Distributeur à valeur ajoutée*

Des solutions IT innovantes pour  
un monde connecté et sécurisé



**WIRELESS  
RADIO**

Connectivité sans fil  
haute performance



**RÉSEAUX &  
SÉCURITÉ IT**

Des réseaux fiables  
et sécurisés



**VIRTUALISATION  
CLOUD**

Des solutions Cloud  
flexibles et évolutives



**CYBERSECURITY**

Protéger vos données  
et vos systèmes



**VIDÉO  
PROTECTION**

Solutions de vidéosurveillance  
intelligentes



**HCI STOCKAGE  
SAUVEGARDE**

Stockage, sauvegarde  
et haute disponibilité

SOLUTIONS IT

CYBERSÉCURITÉ

CLOUD

INFRASTRUCTURE RÉSEAU

STOCKAGE

PROTECTION

# Introducing the Hillstone Future-Ready A-Series Next Generation Firewall



Integrative Cybersecurity  
Visionary. AI-powered. Accessible.

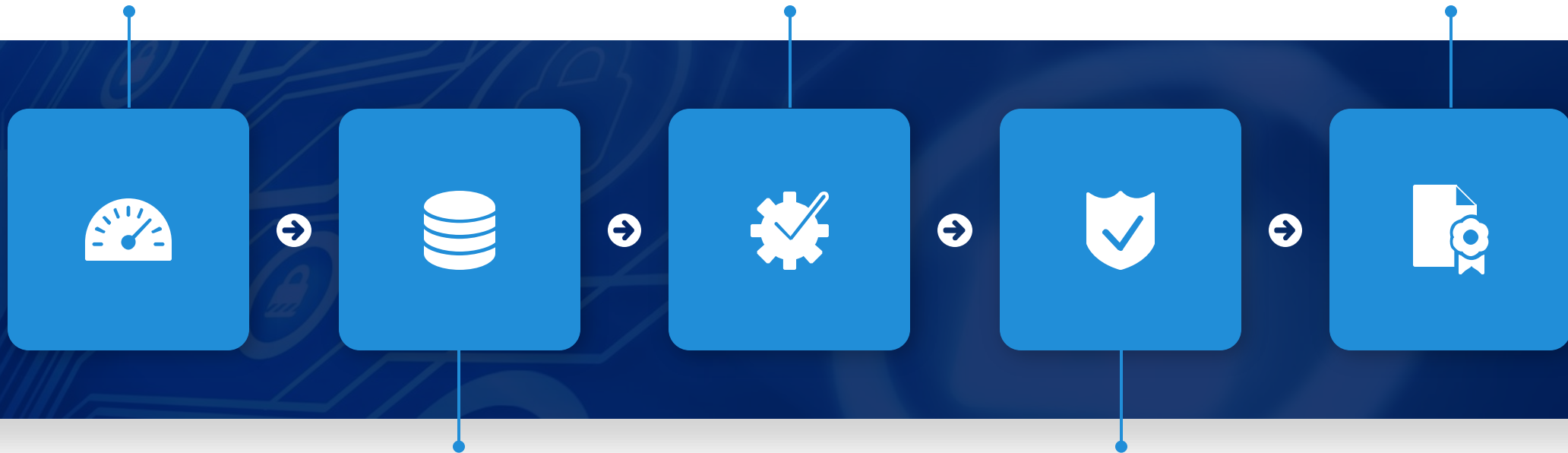
# What's the New Reality for NGFW?

# What's the New Reality for NGFW?

Performance becomes a bottleneck

Devices have to be more compact

Policy overload creates risk and complexity



Storage space limits analytical capability

Security landscape is constantly changing dramatically

# A Future-Ready NGFW

# A Future-Ready NGFW



## A-Series with Advance Hardware Architecture



**High  
Performance**



**Excellent  
Expansion  
Capability**



**Advanced  
Threat  
Protection**



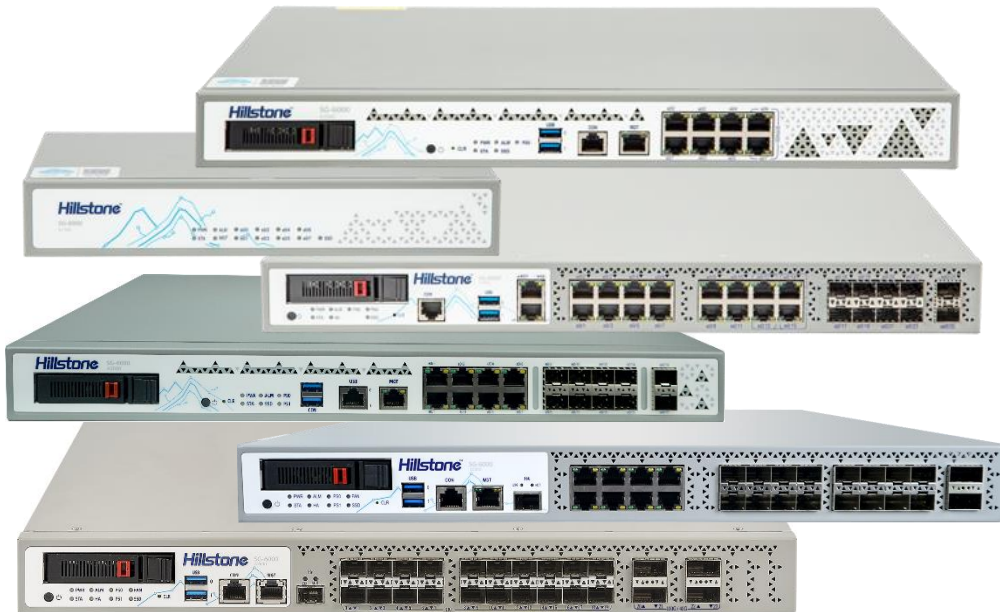
**Smart Policy  
Operation**



**Multiple  
Deployment  
Scenarios**

# The Hillstone A-Series: An Overview

- ▶ **Product name:**  
SG-6000-A-Series NGFW



## Product Highlights

- ▶ Built on a new generation of firewall hardware architecture.
- ▶ Excellent application security protection performance, high-density ports, large-capacity local and optional expansion storage, at a better TCO.
- ▶ Based on Hillstone innovative operating system, StoneOS.
- ▶ Hillstone's evolution in AI will continue to provide robust advanced threat detection in the future.

# A Future-Ready NGFW - Extraordinary Performance Based on Advanced Hardware Architecture



## A-Series with Advance Hardware Architecture



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# Advanced NGFW Hardware Architecture



Powerful computing foundation guarantees high performance



Friendly software ecology for third-party integration



SSL decryption hardware acceleration capability: alleviates CPU intensive tasks from servers



Hillstone proprietary hardware acceleration engine: significantly improves packet fast forwarding capability by offloading traffic from CPU



High-density interfaces, and front and rear-end air ventilation in compact design

Note: the SSL decryption hardware acceleration capability will be available via software upgrade in phase 2. A200(W)-IN series do NOT support hardware acceleration; the Hillstone proprietary hardware acceleration engine is only available for A6800-IN and A7600-IN.

# Outstanding Hardware Design



## SSL Decryption Hardware Acceleration

Free up more CPU resources

Defend against the threats of encrypted traffic with strong decryption capability



## Compact Design

Small size, energy-saving:  
Desktop or 1RU rackmount model

Possess high-density interfaces and power modules in all 1RU rackmount models



## Front and Rear-end Air Ventilation

Improve heat-dissipation capability

Meet the heat-dissipating requirement of data center rack

Maintain good performance

# Hillstone Proprietary Hardware Acceleration Engine



## High Throughput

- Enable high-end models to cover the throughput requirements of high-traffic scenarios



## Fast Packet Forwarding

- Free up CPU by offloading IPv4/IPv6 traffic, to process comprehensive security services



## CPU Offload

- Ultra-low latency in packet forwarding within a few microseconds, fully meet the needs of latency-sensitive scenarios



# High Performance Highlights & Values

## High Firewall Throughput

- High firewall throughput up to **280 Gbps**
- ▶ Meet the high-traffic needs in scenarios like data centers

## High Application-Layer Performance

- High IPS throughput up to **70 Gbps** with 2QSFP+ module
- High level of concurrent sessions up to **42 Million**
- ▶ Meet real-world network security needs

## Powerful Fast-forward Capability

- Ultra-low latency in packet forwarding within a few **microseconds**
- ▶ Meet the requirements of latency-sensitive scenarios

# A Future-Ready NGFW - Excellent Expansion Capability



A-Series with Advance Hardware Architecture



**High  
Performance**



**Excellent  
Expansion  
Capability**

*Interface & Storage*



**Advanced  
Threat  
Protection**



**Smart Policy  
Operation**



**Multiple  
Deployment  
Scenarios**



# Better Analytics and Visibility with Increased Storage



**eMMC  
(4/8/64GB)  
Standard**

- ▶ Store configuration files, signature databases, images, etc.
- ▶ Store network/event/configuration logs, reports
- ▶ Cloud Sandbox logs or threat logs should be sent to HSM, HSA or CloudView for longer term storage
- ▶ The storage size of each module is specified by the system and cannot be configured



**eMMC  
(8/64GB)  
Standard**




**Hard Drive  
(256GB to 1.92TB)  
Optional**

- ▶ eMMC stores:
  - › configuration files, signature databases, images, etc.
- ▶ Hard drive stores:
  - › Network/event/configuration/**threat/cloud sandbox logs (up to 6 months)**
  - › **More comprehensive reports**
- ▶ **More analytics capability**, including IPS threat packet capture
- ▶ The **storage size of each module** is specified by the system by default, and it **can be configured**

Platform	A200-IN	A200W-IN	A1000-IN	A1100-IN	A2000-IN	A2600-IN	A2700-IN	A2715-IN	A2800-IN	A2815-IN	A3000-IN	A3600-IN	A3615-IN	A3700-IN	A3800-IN	A3815-IN	A5100-IN	A5155-IN	A5200-IN	A5255-IN	A5500-IN	A5555-IN	A5600-IN	A5800-IN	A6800-IN	A7600-IN
<b>Local Storage</b>	4 GB	4 GB	8 GB	8 GB	8 GB	8 GB	8 GB	8 GB	8 GB	8 GB	8 GB	8 GB	8 GB	8 GB	8 GB	8 GB	64 GB	64 GB	64 GB	64 GB	64 GB	64 GB	64 GB	64 GB	64 GB	64 GB
<b>Expansion Storage Options</b>	0	0	256 GB SSD	256 GB SSD	480GB / 960GB / 1.92TB SSD	480GB / 960GB / 1.92TB SSD	480GB / 960GB / 1.92TB SSD	480GB / 960GB / 1.92TB SSD	480GB / 960GB / 1.92TB SSD	480GB / 960GB / 1.92TB SSD	480GB / 960GB / 1.92TB SSD	480GB / 960GB / 1.92TB SSD	480GB / 960GB / 1.92TB SSD	480GB / 960GB / 1.92TB SSD	480GB / 960GB / 1.92TB SSD	480GB / 960GB / 1.92TB SSD	480GB / 960GB / 1.92TB SSD	480GB / 960GB / 1.92TB SSD	480GB / 960GB / 1.92TB SSD	480GB / 960GB / 1.92TB SSD	480GB / 960GB / 1.92TB SSD	480GB / 960GB / 1.92TB SSD	480GB / 960GB / 1.92TB SSD	480GB / 960GB / 1.92TB SSD	480GB / 960GB / 1.92TB SSD	480GB / 960GB / 1.92TB SSD

# A Future-Ready NGFW - Advanced Threat Protection



## A-Series with Advance Hardware Architecture



**High  
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Protection**



**Smart Policy  
Operation**



**Multiple  
Deployment  
Scenarios**

*Interface & Storage*

# Advanced Threat Protection for Known and Unknown Malware

Hillstone  
NETWORKS

**IPS** blocks vulnerability exploitation

**IP Reputation** blocks risky IPs from accessing servers

**URL Filtering** controls user access to specified websites

**Anti-Virus** filters viruses in files of different types and over different protocols

**Anti-Spam** classifies and prevents potential spam

**Anti-Virus** responds to known viruses

**Cloud Sandbox** responds to unknown viruses

**Botnet C&C Prevention** blocks the control channel and catches intranet bots

Pre-breach

Breach

Post-breach



Intrusion  
Prevention



IP  
Reputation



URL  
Filtering



Anti-Spam



Anti-Virus



Cloud  
Sandbox

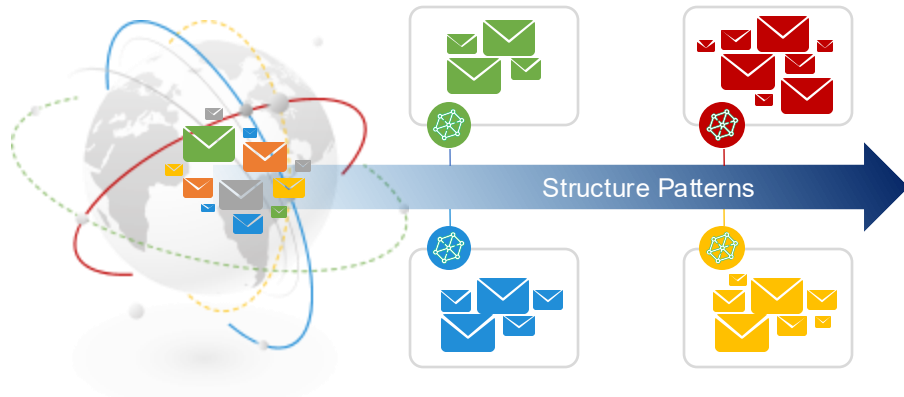


Botnet C2  
Prevention

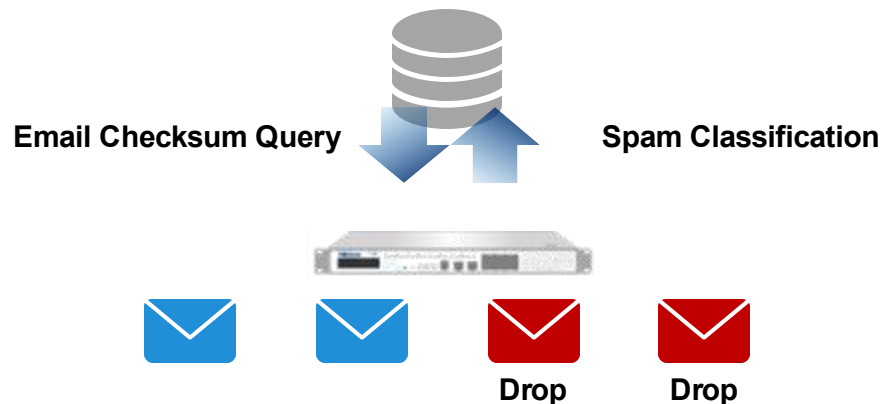
Application Control

# Anti-Spam for Real-time Spam Classification and Prevention

## Global Spam Collection (Partner)



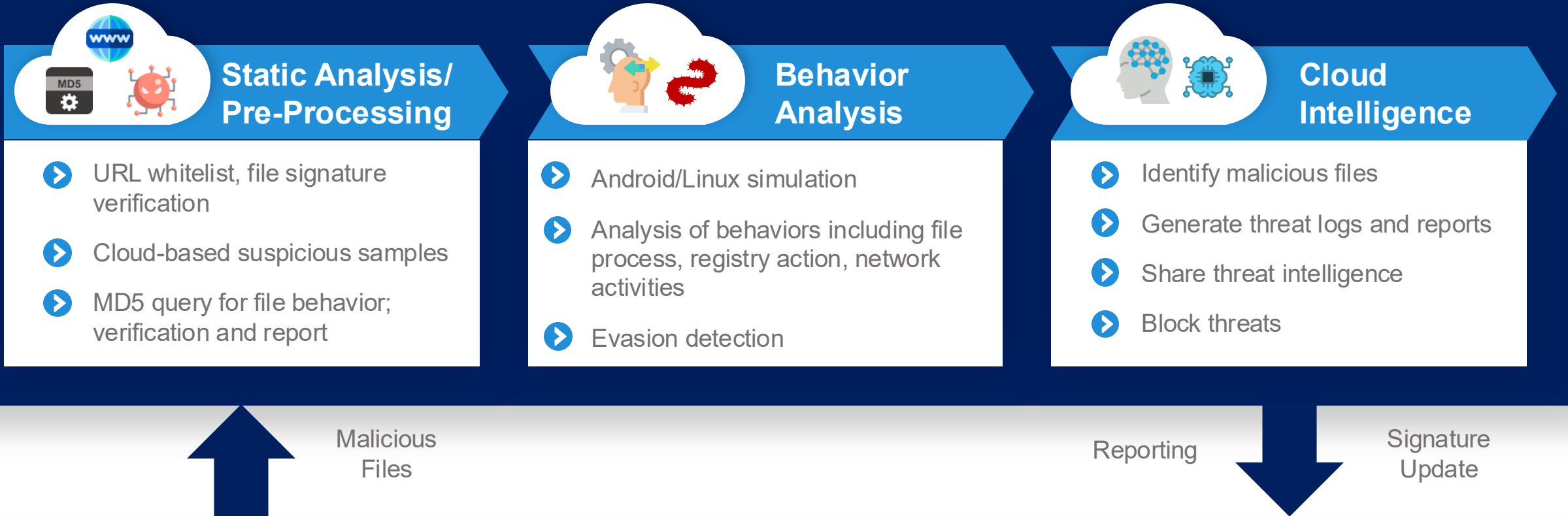
## Cloud-Based Spam Database



## Key Features

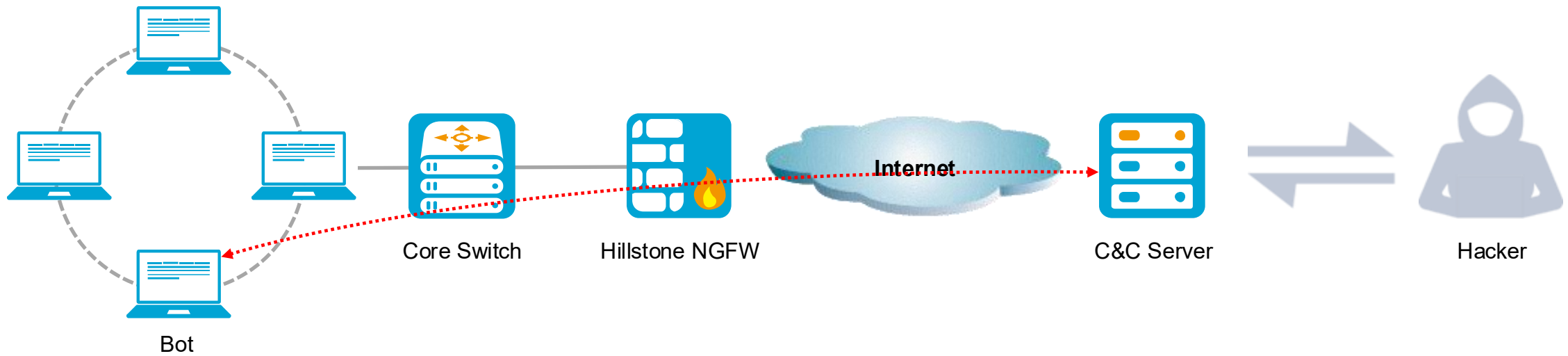
- **Real-time Spam Classification and Prevention**
- Supported Spam classification: Confirmed Spam, Suspected Spam, Bulk Spam, Valid Bulk
- **Supports encrypted traffic spam detection**
- Works on both SMTP(S) and POP3(S) email protocols
- Inbound and outbound detection
- Whitelisting permits emails from trusted domains
- Support multiple languages, formats, or content of the message

# Cloud Sandbox for Malicious File Detection and Prevention



NGFW

# Complete Botnet C&C Prevention



**C2 Address Database**

**DNS Sinkhole**

**DNS Tunnel Detection**

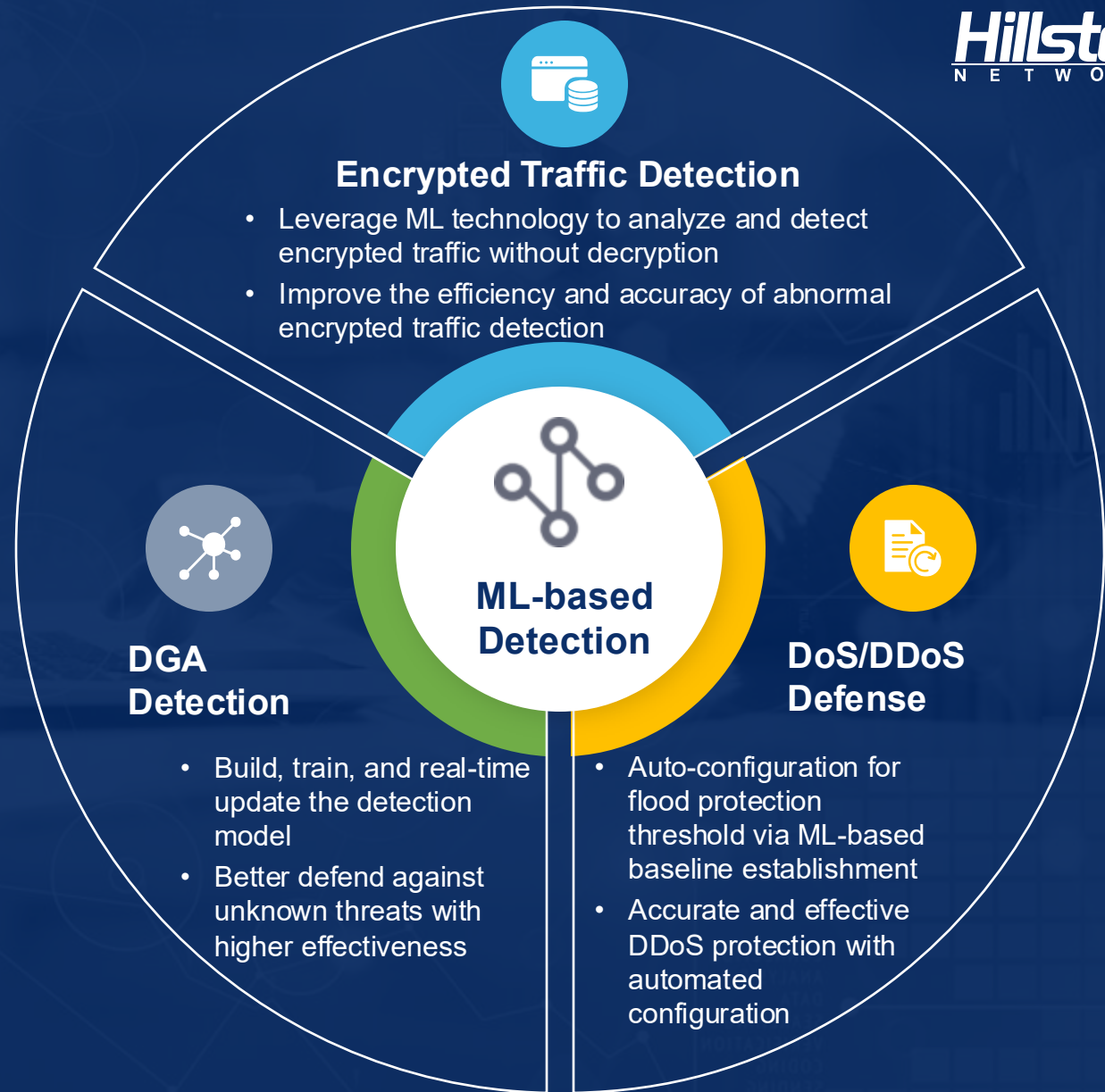
**DGA Domain Detection**

# ML-based Intelligent Threat Detection and Protection

## Encrypted Traffic Detection

## DoS/DDoS Defense

## DGA Detection



# A Future-Ready NGFW - Smart Policy Operation



## A-Series with Advance Hardware Architecture



**High  
Performance**



**Excellent  
Expansion  
Capability**



**Advanced  
Threat  
Protection**

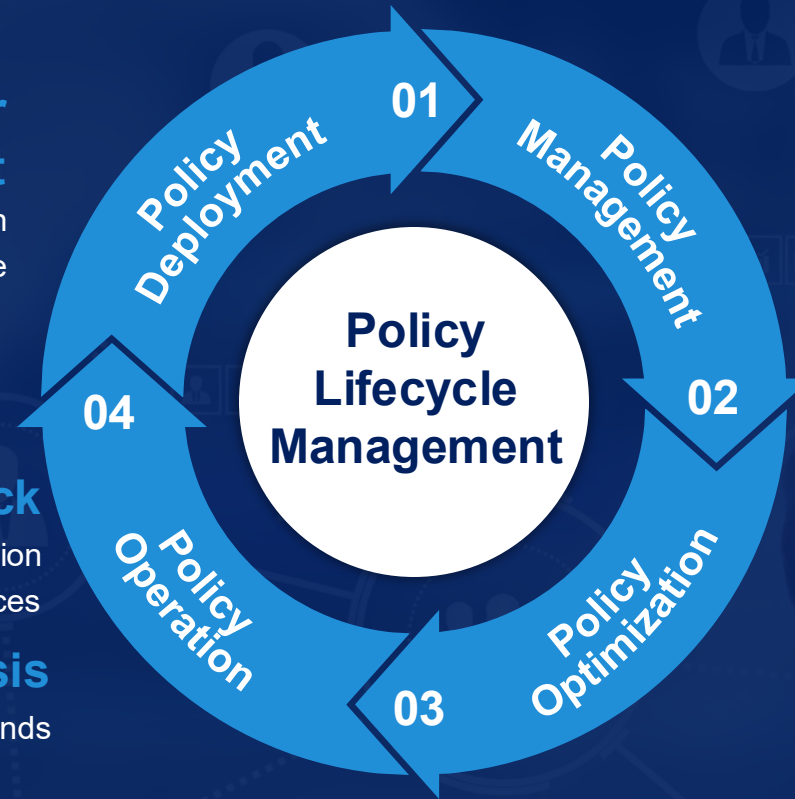


**Smart Policy  
Operation**



**Multiple  
Deployment  
Scenarios**

# Smart Policy Operation



## Automated User Policy Deployment

- Radius Dynamic Authorization
- Automatically issue user policy via CoA message

## Policy Redundancy Check

- Discover redundant or conflict FW/NAT policies for deletion
- Provide detailed insights and remediation advices

## Policy Analysis

Adjust policies by observing hit counts and hit trends

## Policy Group

Efficient policy management based on business requirements

## Aggregate Policy

Combining a set of individualized policies into one unified policy

## Millions of Mini Policy

Ensures consistent policy enforcement on all firewall security features with extreme scalability

## Policy Assistant

Generate and refine granular policies based on traffic patterns

Easy Deployment

Rapid Launch of New Services

Dynamic Policy Adjustment

Increased Efficiency & Reduced Overhead

# A Future-Ready NGFW - Multiple Deployment Scenarios



## A-Series with Advance Hardware Architecture



**High  
Performance**



**Excellent  
Expansion  
Capability**



**Advanced  
Threat  
Protection**

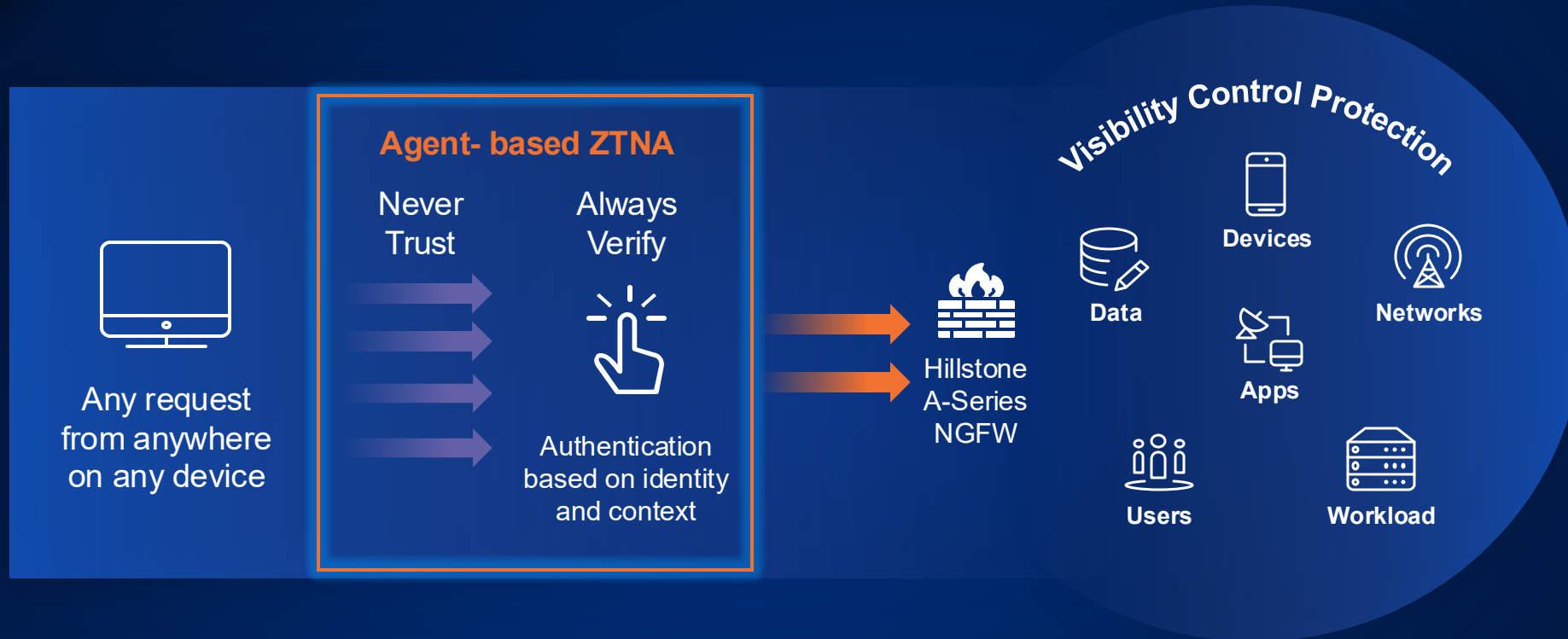


**Smart Policy  
Operation**



**Multiple  
Deployment  
Scenarios**

# Zero Trust Network Access (ZTNA) Solution



## Highlights

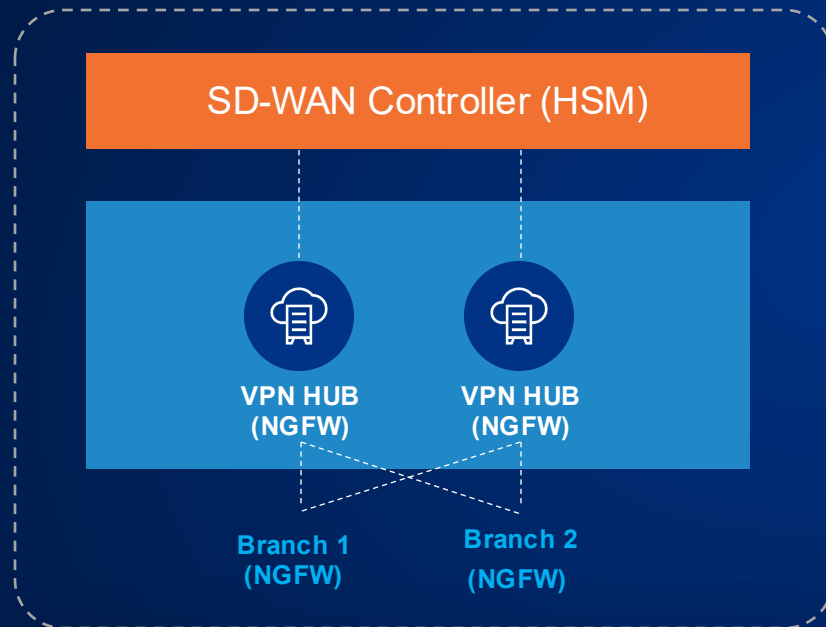
- Identity-Based, Least-Privileged Secure Access
- Context-Aware, Adaptive Access Control
- Centralized and Efficient Management
- Award-Winning Enterprise-Grade Security Foundation

# NGFW Fits into Hillstone Solutions



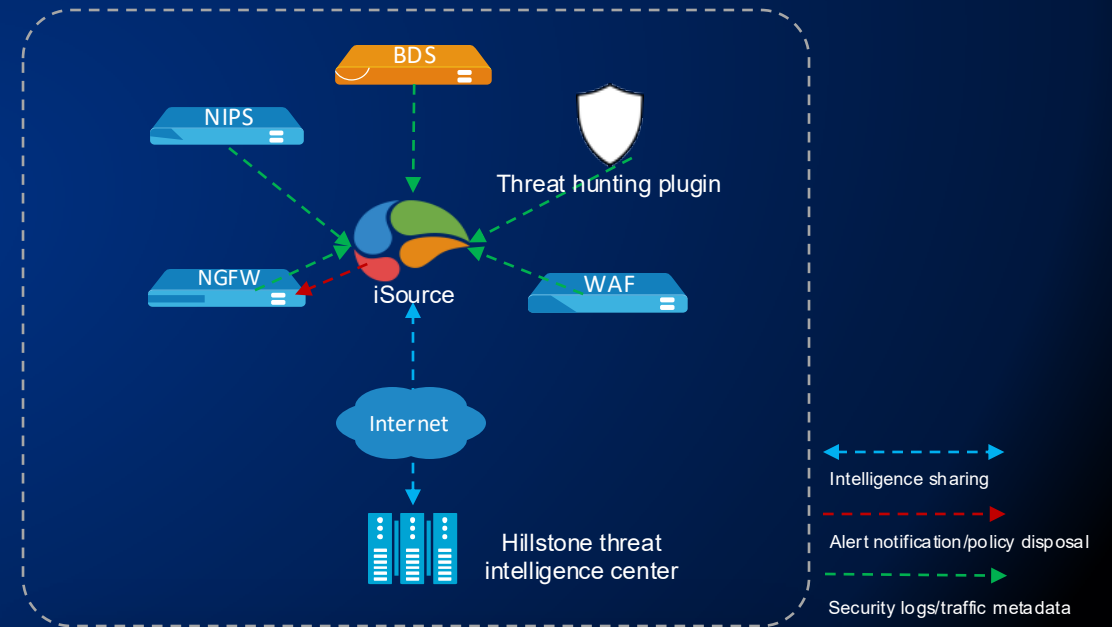
The integration of NGFW and other Hillstone security products enables multiple Hillstone solutions

### SD-WAN solution



Efficient centralized management for multiple NGFW

### XDR solution



Promote joint protection against new types of attacks through integration with iSource and deployment in XDR solution

# Enable Multiple Use Cases with High Performance

## Network Edge



- › Powerful network security capabilities to defend against more advanced threats
- › Expedited execution of various security services with strong CPU power

## Data Center



- › High throughput to handle massive volumes of traffic in data center
- › Twin-mode HA maintains high reliability of data center communication

## SD-WAN



- › High security performance of built-in NGFW brings faster, lower-cost and secure local internet connections at remote location

## Remote Access with ZTNA



- › Context and identity-aware, and least-privileged secure access control guarantee the security and effectiveness for the remote access

# Fast, Effective, Efficient Future-Ready Security Protection with Hillstone A-Series NGFW



## High Security Performance

Leading application layer performance meets real network security needs



## Complete Advanced Threat Detection and Prevention

Protect against known and unknown threats



## Smart and Automated Operation

Security operations made easy



## Expansion as Needed

High-density ports ensure excellent access capability  
Large storage options allow for deeper analytics and better visibility



## Multiple Solutions and Deployment Scenarios

Enables multiple Hillstone solutions and deployments scenarios with high performance



# Hillstone Networks is Your Trusted Security Partner



Figure 1: Magic Quadrant for Network Firewalls



Source: Gartner (December 2022)



Gartner

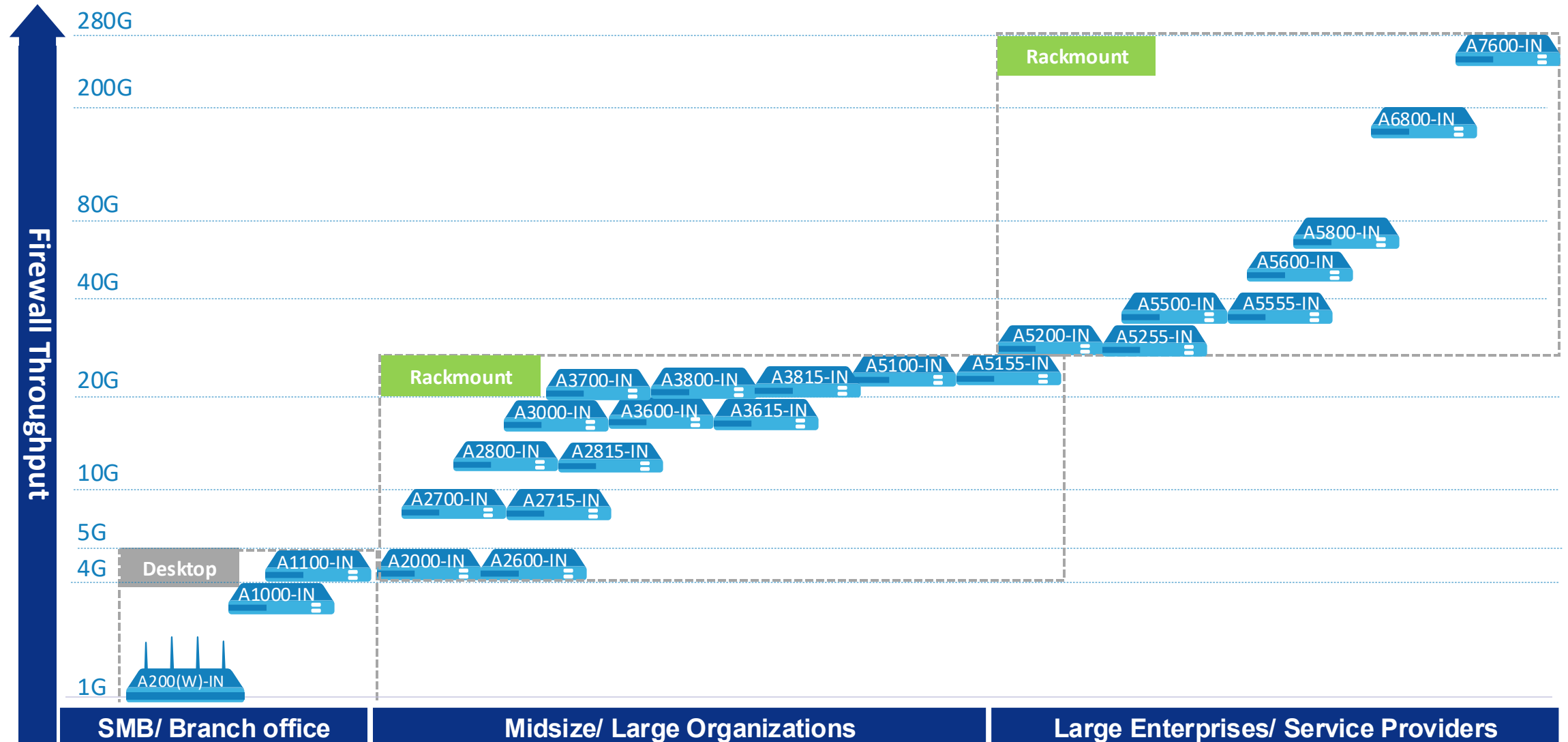
*A Visionary in the  
Gartner Magic Quadrant  
for Network Firewalls*

**9** Consecutive  
Years

*in Gartner Magic  
Quadrant for Network  
Firewalls*

# The Product Introduction

# A-Series Product Positioning

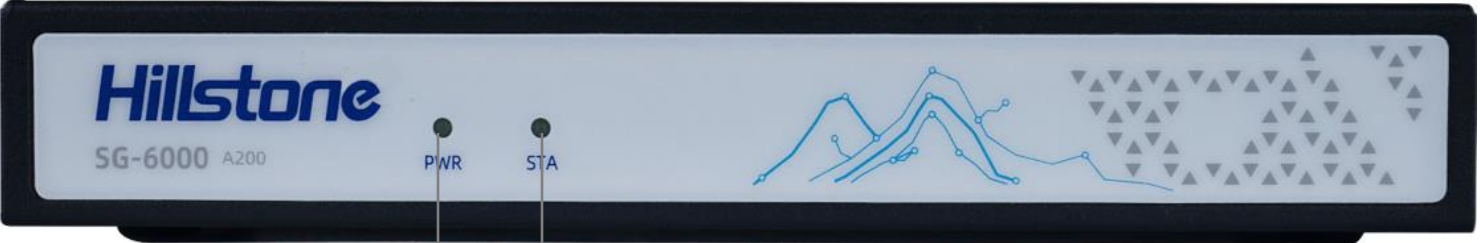


# The Hillstone A-Series NGFW: Specifications



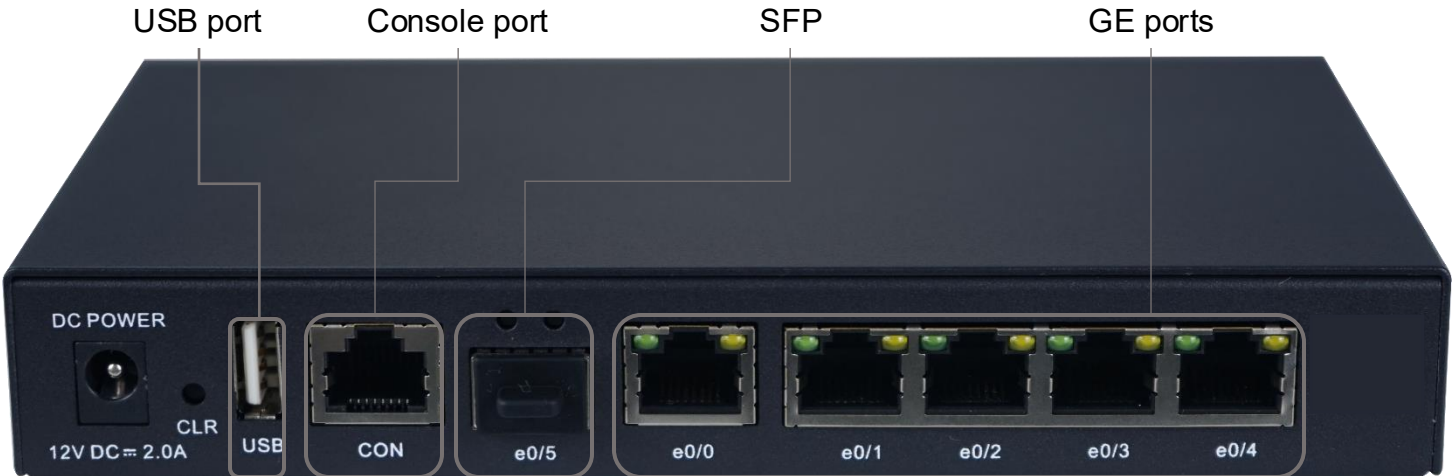
	<i>Desktop</i>			
	SG-6000-A200-IN	SG-6000-A200W-IN	SG-6000-A1000-IN	SG-6000-A1100-IN
<b>Firewall Throughput</b>	1 Gbps	1 Gbps	4 Gbps	5 Gbps
<b>Maximum Concurrent Sessions</b>	450,000	450,000	450,000	450,000
<b>New Sessions/s</b>	14,000	14,000	48,000	48,000
<b>IPS Throughput</b>	610 Mbps	610 Mbps	3 Gbps	2.8 Gbps
<b>NGFW Throughput</b>	400 Mbps	400 Mbps	1.5 Gbps	1.7 Gbps
<b>Threat Protection Throughput</b>	200 Mbps	200 Mbps	800 Mbps	800 Mbps
<b>AV Throughput</b>	550 Mbps	550 Mbps	1.8 Gbps	1.8 Gbps
<b>IPsec VPN Throughput</b>	590 Mbps	590 Mbps	2.5 Gbps	2.7 Gbps
<b>Virtual Systems (Default/Max)</b>	N/A	N/A	N/A	N/A
<b>SSL VPN User Number</b>	128	128	128	128
<b>IPsec Tunnel Number</b>	2,000	2,000	2,000	2,000
<b>Management Ports</b>	1 * Console Port, 1 * USB 2.0 Port	1 * Console Port, 1 x USB 2.0 Port	1 * Console Port, 2 * USB3.0 Ports	1 * Console Port, 2 * USB3.0 Ports, 1 * MGT Port (RJ45)
<b>Fixed I/O Ports</b>	1 * SFP, 5 * GE	1 * SFP, 5 * GE	4 * GE	8 * GE (including 1 bypass pair)
<b>Wi-Fi/ 4G Dongle</b>	4G Dongle	IEEE802.11a/b/g/n/ac, 4G Dongle	4G Dongle	4G Dongle
<b>Available Slots for Expansion Modules</b>	N/A	N/A	NA	NA
<b>Expansion Module Option</b>	N/A	N/A	NA	NA
<b>Twin-mode HA</b>	N/A	N/A	NA	NA
<b>Local Storage</b>	4 GB	4 GB	8 GB	8 GB
<b>Expansion Storage Options</b>	N/A	N/A	256 GB SSD	256 GB SSD
<b>Power Specification</b>	24W, Single AC (default)	24W, Single AC (default)	36W, Single AC	65W, Single AC
<b>Power Supply</b>	AC 100-240V, 50/60 Hz	AC 100-240V, 50/60 Hz	AC 100-240V, 50/60 Hz	AC 100-240V, 50/60 Hz
<b>Form Factor</b>	Desktop	Desktop	Desktop	Desktop
<b>Weight</b>	2.2 lb (0.6 kg)	2.2 lb (0.6 kg)	3.1 lb (1.4 kg)	3.1 lb (1.4 kg)
<b>Temperature</b>	32-104°F (0-40°C)	32-104°F (0-40°C)	32-104°F (0-40°C)	32-104°F (0-40°C)
<b>Relative Humidity</b>	10-95% non-condensing	10-95% non-condensing	10-95% non-condensing	10-95% non-condensing

# A200 Front and Rear Panel



PWR  
STA

Power LED      Status LED



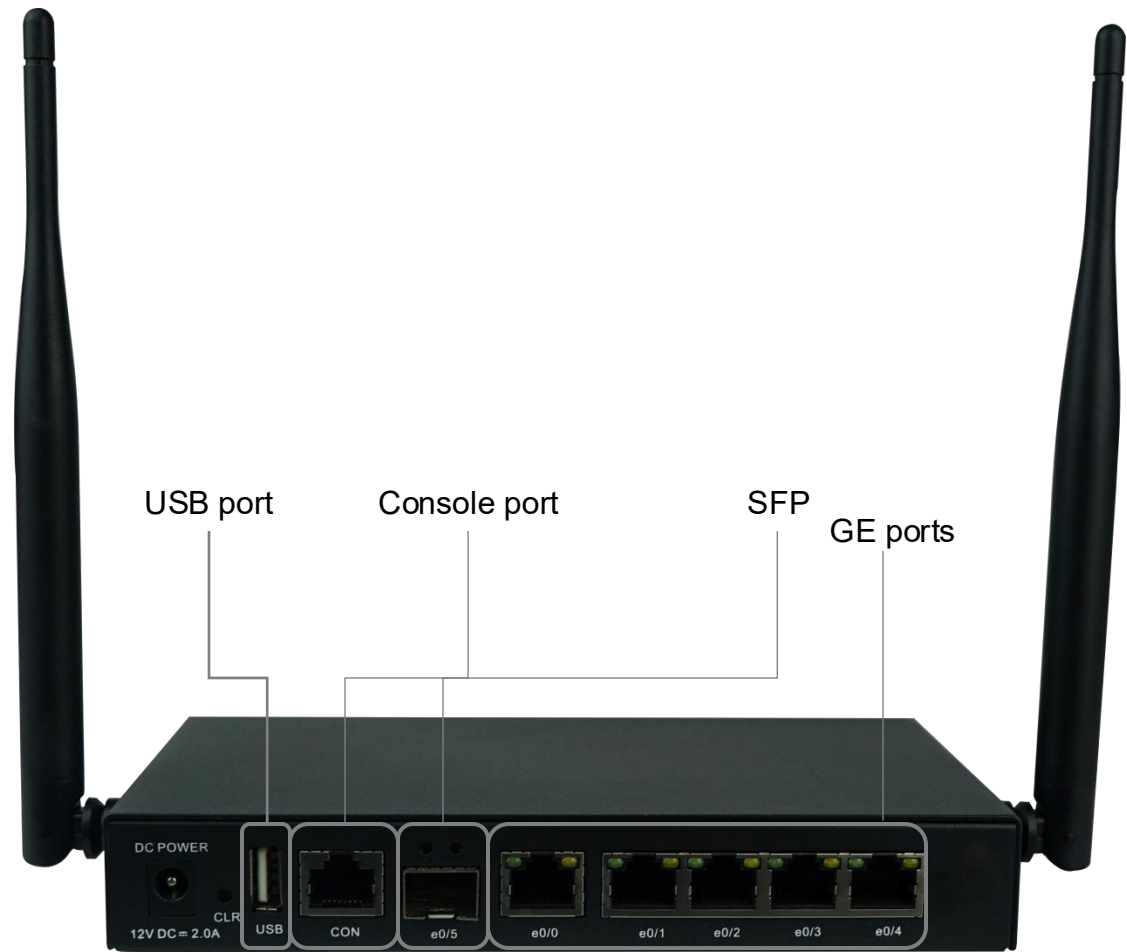
USB port      Console port      SFP      GE ports

DC POWER      CLR      USB      CON      e0/5      e0/0      e0/1      e0/2      e0/3      e0/4

# A200W Front and Rear Panel

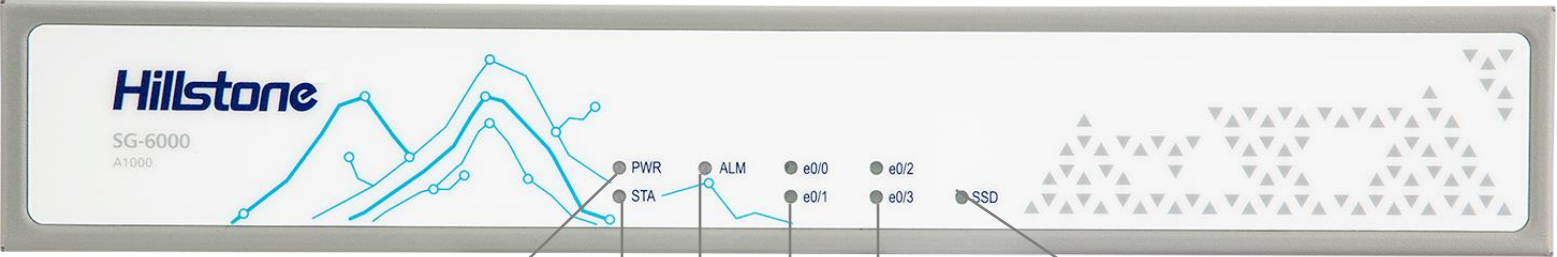


Power LED    Status LED    WLAN LED

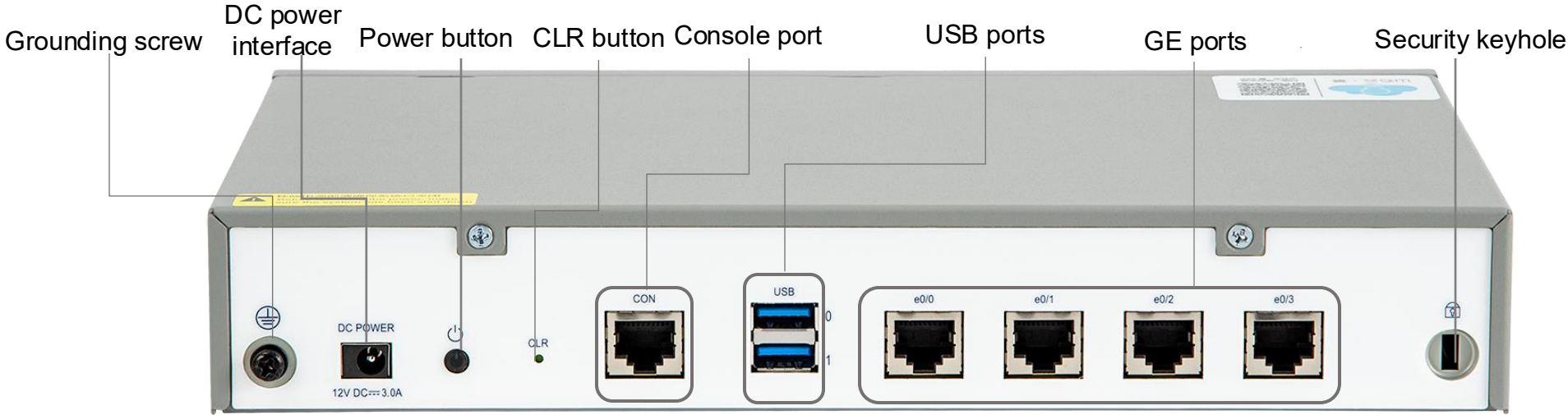


USB port    Console port    SFP    GE ports

# A1000 Front and Rear Panel

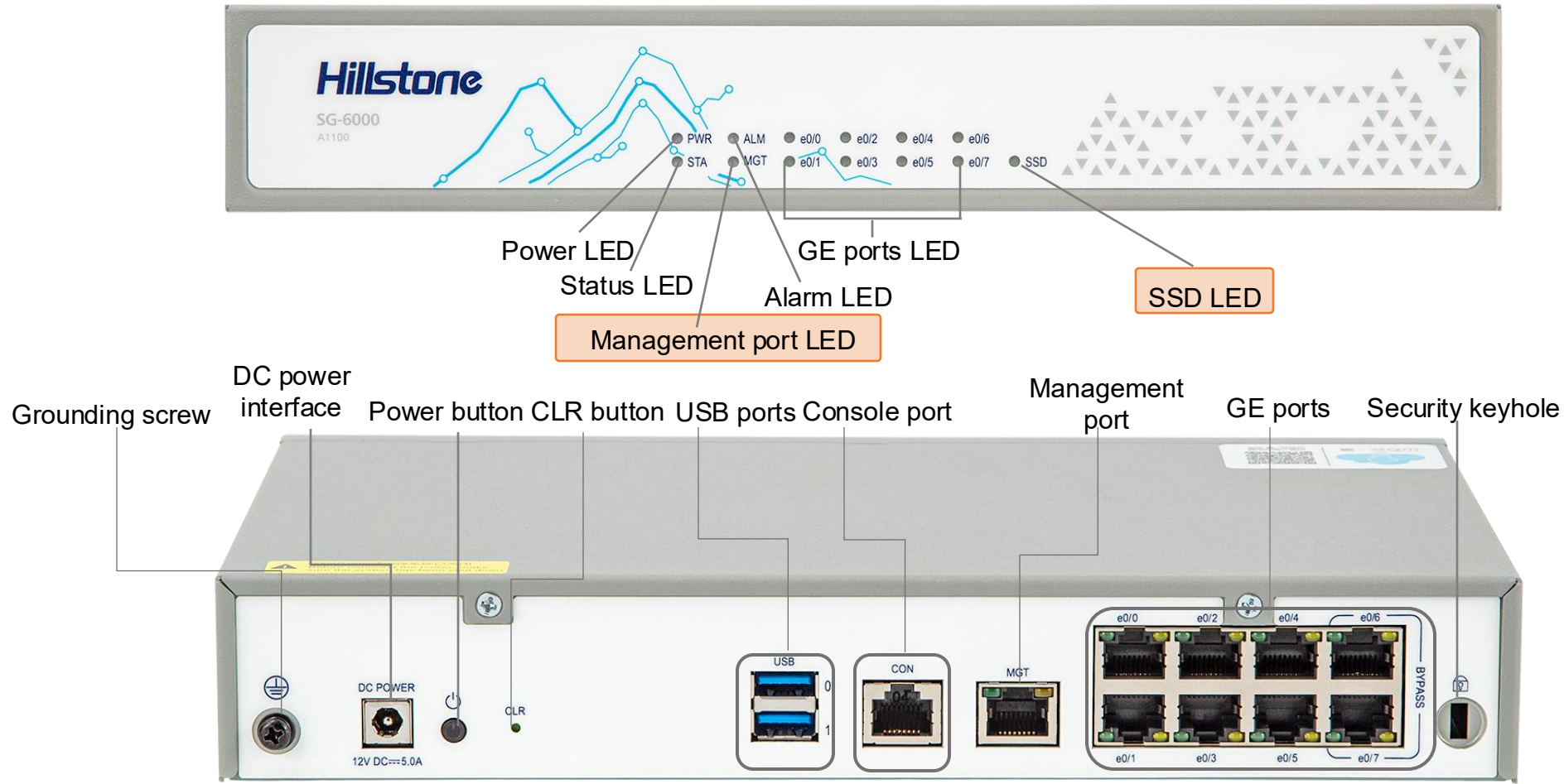


Power LED  
Status LED  
Alarm LED  
GE ports LED  
SSD LED



Grounding screw  
DC power interface  
Power button  
CLR button  
Console port  
USB ports  
GE ports  
Security keyhole

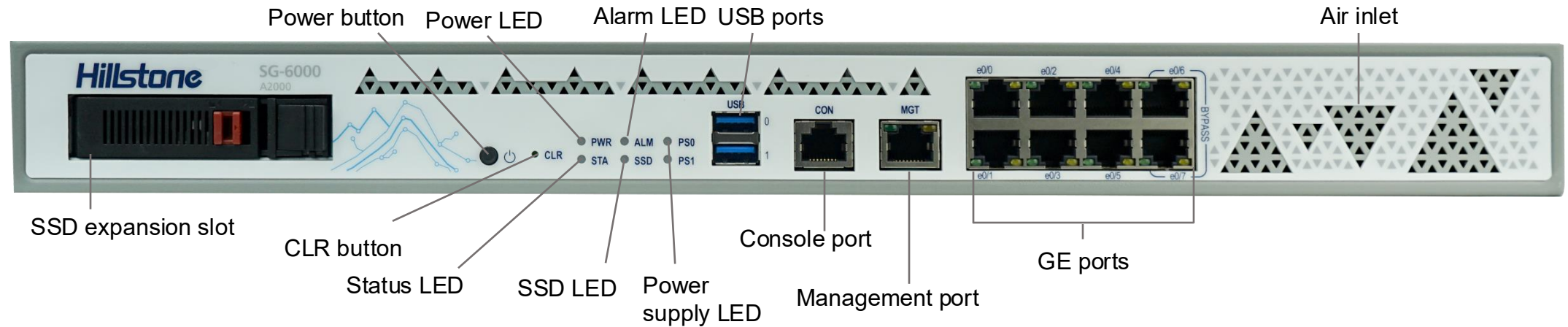
# A1100 Front and Rear Panel





# A2000 / A2600 Front Panel

A2000  
A2600



# A2000 / A2600 Rear Panel



A2000  
A2600

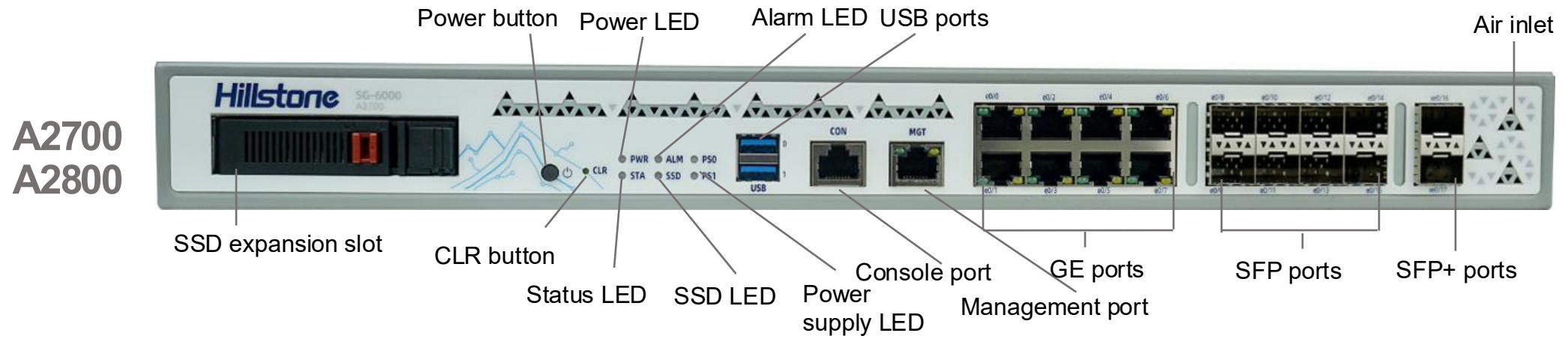


Grounding screw

Fan tray

Power socket

# A2700 / A2800 Front Panel



# A2700 / A2800 Rear Panel



A2700  
A2800



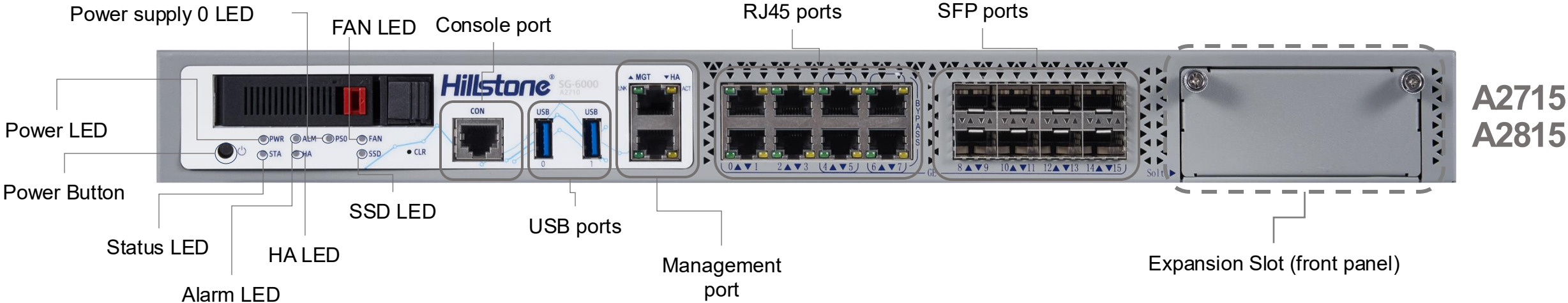
Grounding screw

Fan tray

Power socket

Power socket

# A2715 / A2815 Front Panel



# A2715 / A2815 Rear Panel



A2715  
A2815



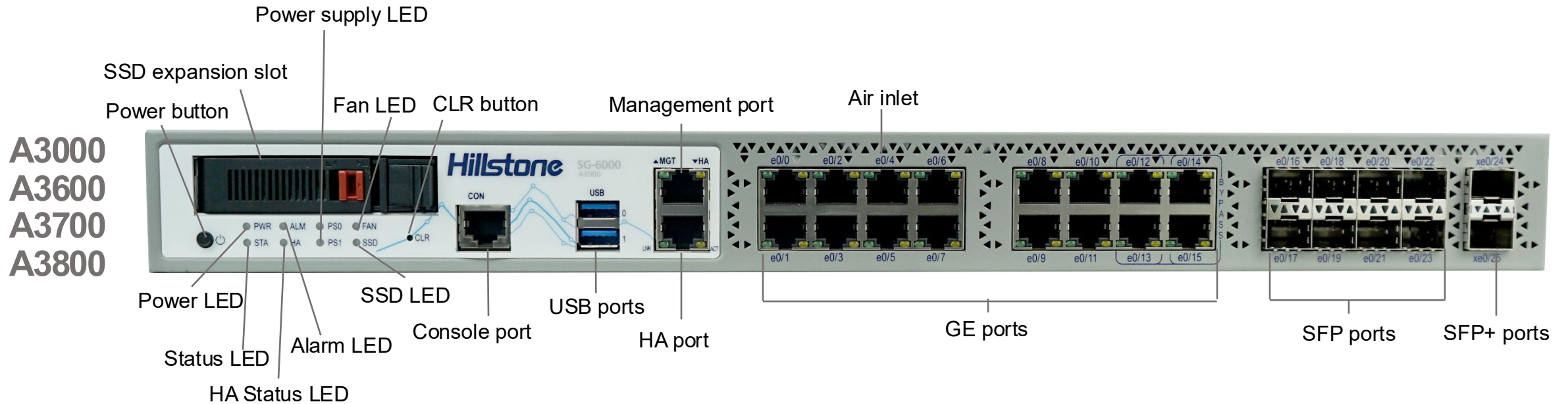
Grounding screw

Fan tray

Power socket

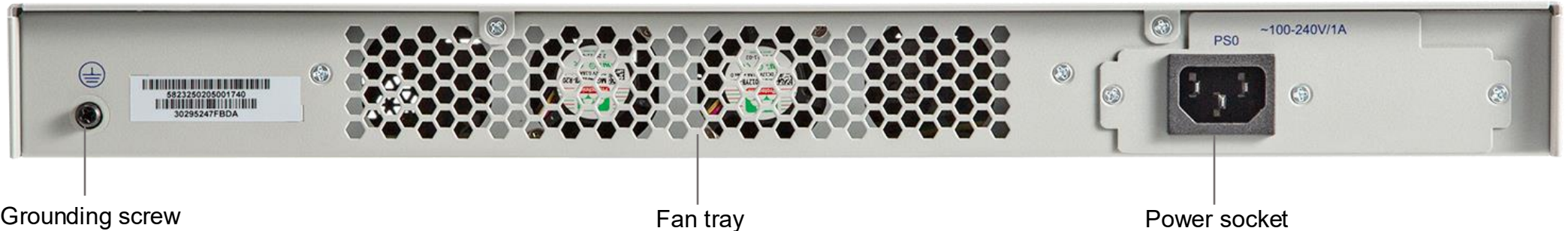


# A3000 / A3600 / A3700 / A3800 Front Panel

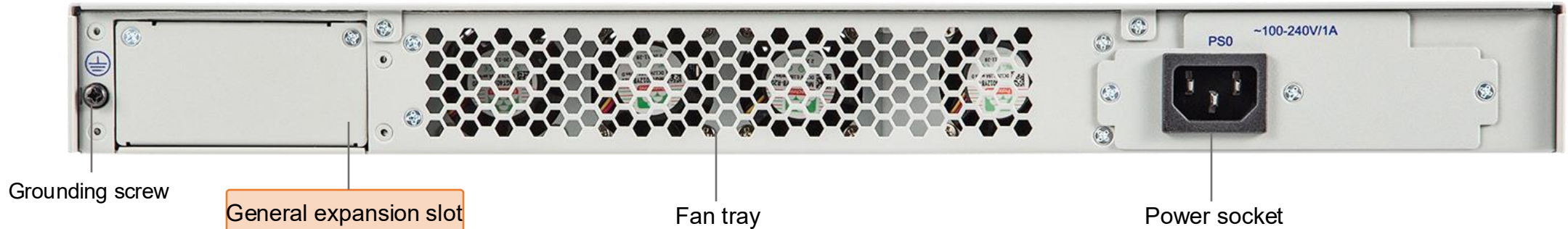


# A3000 / A3600 / A3700 / A3800 Rear Panel

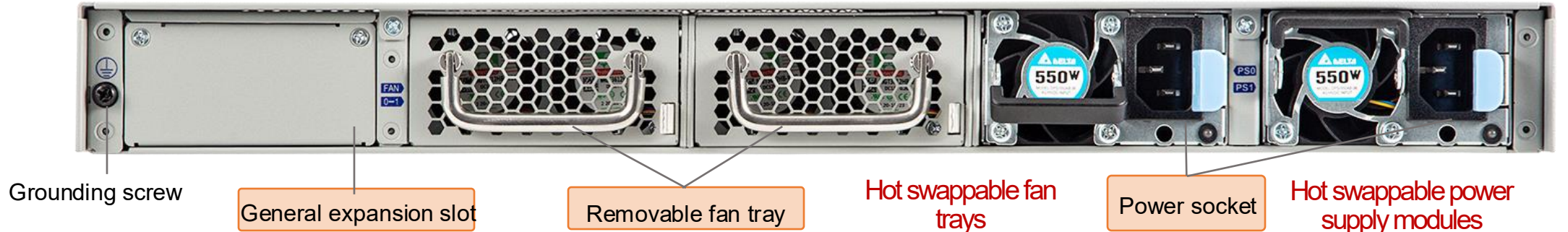
A3000  
A3600



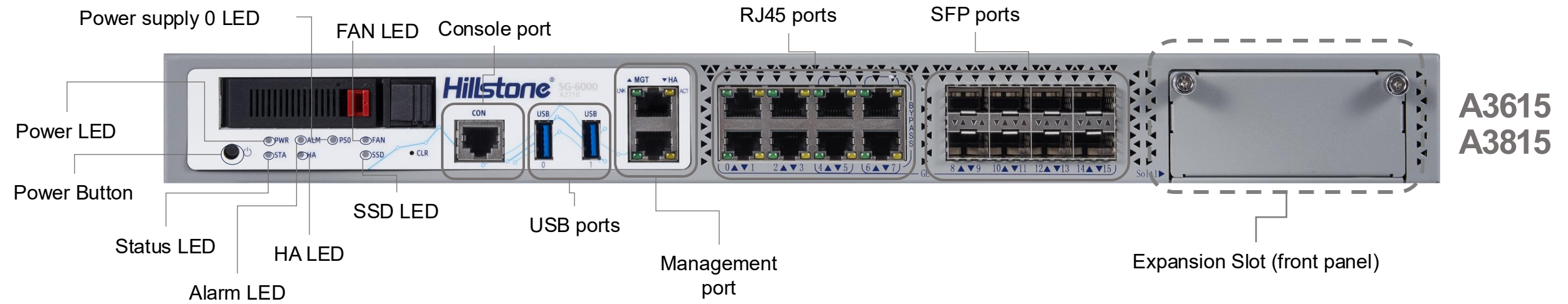
A3700



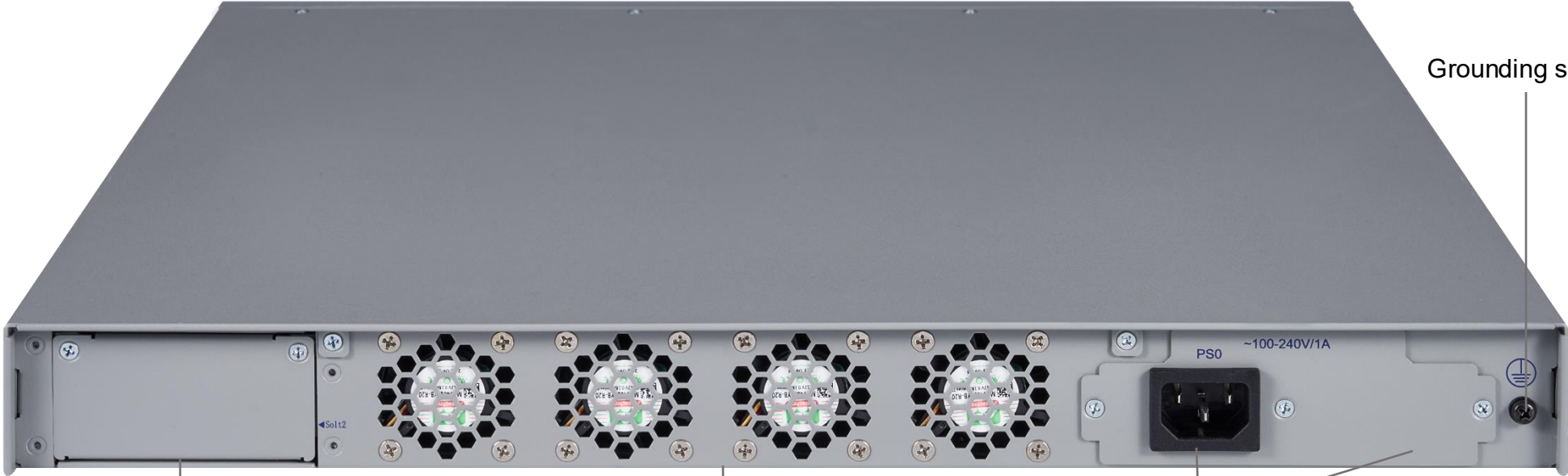
A3800



# A3615 / A3815 Front Panel



# A3615 Rear Panel



Expansion Slot  
(back panel)

Fan tray

Power socket

Grounding screw

# A3815 Rear Panel

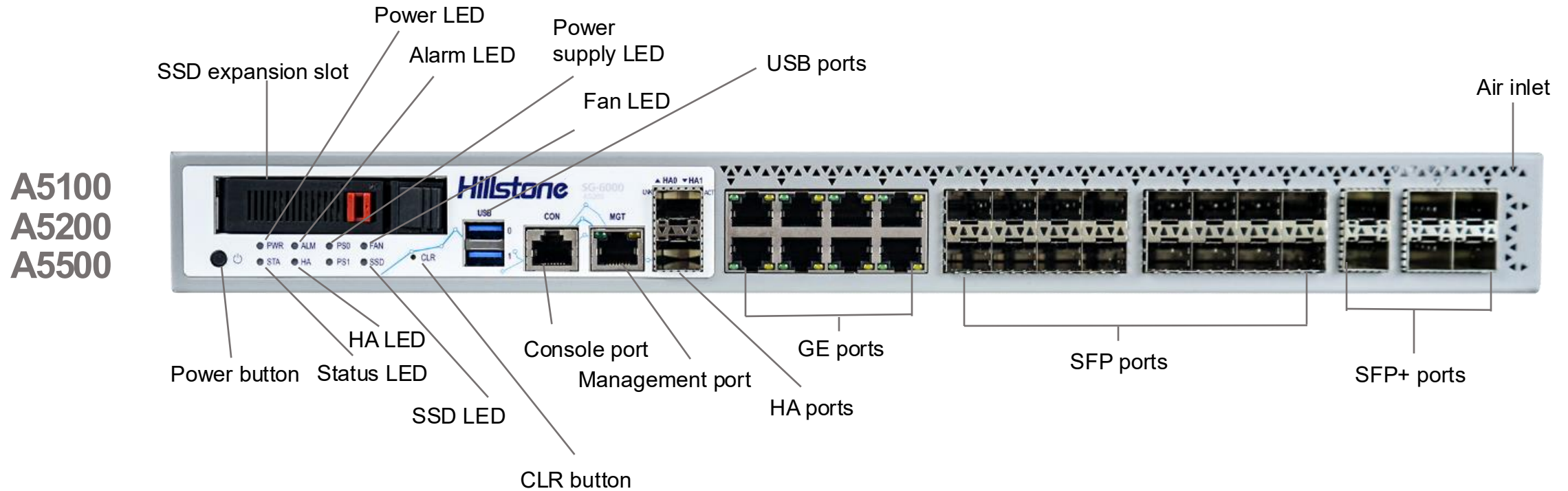


# The Hillstone A-Series NGFW: Specifications



	Rackmount							
	SG-6000-A5100-IN	SG-6000-A5155-IN	SG-6000-A5200-IN	SG-6000-A5255-IN	SG-6000-A5500-IN	SG-6000-A5555-IN	SG-6000-A5600-IN	SG-6000-A5800-IN
<b>Firewall Throughput (without/with expansion module)</b>	25/50 Gbps	25/50 Gbps	32/65 Gbps	32/65 Gbps	40/80 Gbps	40/80 Gbps	60/85 Gbps	80/95 Gbps
<b>Maximum Concurrent Sessions</b>	9 Million	9 Million	15 Million	15 Million	18 Million	18 Million	25 Million	30 Million
<b>New Sessions/s</b>	480,000	490,000	600,000	650,000	700,000	700,000	900,000	1,000,000
<b>IPS Throughput</b>	20/30 Gbps	21/30 Gbps	25/35 Gbps	27/40 Gbps	35/45 Gbps	35/50 Gbps	45/65 Gbps	50 Gbps
<b>NGFW Throughput</b>	20 Gbps	20 Gbps	25 Gbps	25 Gbps	30 Gbps	30 Gbps	40 Gbps	50 Gbps
<b>Threat Protection Throughput</b>	12 Gbps	12 Gbps	14 Gbps	15 Gbps	17 Gbps	17 Gbps	25 Gbps	25 Gbps
<b>AV Throughput</b>	15 Gbps	15 Gbps	20 Gbps	25 Gbps	30 Gbps	29 Gbps	35 Gbps	35 Gbps
<b>IPsec VPN Throughput</b>	15 Gbps	18 Gbps	25 Gbps	25 Gbps	30 Gbps	30 Gbps	40 Gbps	45 Gbps
<b>Virtual Systems (Default/Max)</b>	1/250	1/250	1/250	1/250	1/250	1/250	1/500	1/500
<b>SSL VPN User Number</b>	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
<b>IPsec Tunnel Number</b>	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000
<b>Management Ports</b>	1 * Console Port, 2 * USB3.0 Ports, 2 * HA Ports (SFP+), 1 * MGT Port (RJ45)	1 * Console Port, 2 * USB3.0 Ports, 1 * HA port (SFP), 1 * MGT Port (RJ45)	1 * Console Port, 2 * USB3.0 Ports, 2 * HA Ports (SFP+), 1 * MGT Port (RJ45)	1 * Console Port, 2 * USB3.0 Ports, 1 * HA port (SFP), 1 * MGT Port (RJ45)	1 * Console Port, 2 * USB3.0 Ports, 2 * HA Ports (SFP+), 1 * MGT Port (RJ45)	1 * Console Port, 2 * USB3.0 Ports, 1 * HA port (SFP), 1 * MGT Port (RJ45)	1 * Console Port, 2 * USB3.0 Ports, 1 * HA Port (SFP), 1 * MGT Port (RJ45)	1 * Console Port, 2 * USB3.0 Ports, 1 * HA Port (SFP), 1 * MGT Port (RJ45)
<b>Fixed I/O Ports</b>	6 * SFP+, 16 * SFP, 8 * GE (including 2 bypass pairs)	2 * QSFP+, 16 * SFP+, 8 * GE (including 4 bypass pairs)	6 * SFP+, 16 * SFP, 8 * GE (including 2 bypass pairs)	2 * QSFP+, 16 * SFP+, 8 * GE (including 4 bypass pairs)	6 * SFP+, 16 * SFP, 8 * GE (including 2 bypass pairs)	2 * QSFP+, 16 * SFP+, 8 * GE (including 4 bypass pairs)	2 * QSFP+, 16 * SFP+, 8 * GE (including 4 bypass pairs)	2 * QSFP+, 16 * SFP+, 8 * GE (including 4 bypass pairs)
<b>Wi-Fi/ 4G Dongle</b>	4G Dongle	4G Dongle	4G Dongle	4G Dongle	4G Dongle	4G Dongle	4G Dongle	4G Dongle
<b>Available Slots for Expansion Modules</b>	1	1	1	1	1	1	1	1
<b>Expansion Module Option</b>	IOC-A-4SFP+-IN, IOC-A-2QSFP+-IN, IOC-A-2MM-BE-IN, IOC-A-2SM-BE-IN	IOC-A-4SFP+-IN, IOC-A-2QSFP+-IN, IOC-A-2MM-BE-IN, IOC-A-2SM-BE-IN	IOC-A-4SFP+-IN, IOC-A-2QSFP+-IN, IOC-A-2MM-BE-IN, IOC-A-2SM-BE-IN	IOC-A-4SFP+-IN, IOC-A-2QSFP+-IN, IOC-A-2MM-BE-IN, IOC-A-2SM-BE-IN	IOC-A-4SFP+-IN, IOC-A-2QSFP+-IN, IOC-A-2MM-BE-IN, IOC-A-2SM-BE-IN	IOC-A-4SFP+-IN, IOC-A-2QSFP+-IN, IOC-A-2MM-BE-IN, IOC-A-2SM-BE-IN	IOC-A-4SFP+-IN, IOC-A-2QSFP+-IN, IOC-A-2MM-BE-IN, IOC-A-2SM-BE-IN	IOC-A-4SFP+-IN, IOC-A-2QSFP+-IN, IOC-A-2MM-BE-IN, IOC-A-2SM-BE-IN
<b>Twin-mode HA</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Local Storage</b>	64 GB	64 GB	64 GB	64 GB	64 GB	64 GB	64 GB	64 GB
<b>Expansion Storage Options</b>	480GB / 960GB / 1.92TB SSD	480GB / 960GB / 1.92TB SSD	480GB / 960GB / 1.92TB SSD	480GB / 960GB / 1.92TB SSD	480GB / 960GB / 1.92TB SSD	480GB / 960GB / 1.92TB SSD	480GB / 960GB / 1.92TB SSD	480GB / 960GB / 1.92TB SSD
<b>Power Specification</b>	550W, Dual AC (default), Dual DC (optional)	550W, Dual AC (default), Dual DC (optional)	550W, Dual AC (default), Dual DC (optional)	550W, Dual AC (default), Dual DC (optional)	550W, Dual AC (default), Dual DC (optional)	550W, Dual AC (default), Dual DC (optional)	550W, Dual AC (default), Dual DC (optional)	550W, Dual AC (default), Dual DC (optional)
<b>Power Supply</b>	AC 100-240 V, 50/60 Hz DC -36~-72 V	AC 100-240 V, 50/60 Hz DC -36~-72 V	AC 100-240 V, 50/60 Hz DC -36~-72 V	AC 100-240 V, 50/60 Hz DC -36~-72 V	AC 100-240 V, 50/60 Hz DC -36~-72 V	AC 100-240 V, 50/60 Hz DC -36~-72 V	AC 100-240 V, 50/60 Hz DC -36~-72 V	AC 100-240 V, 50/60 Hz DC -36~-72 V
<b>Form Factor</b>	Rackmount, 1U	Rackmount, 1U	Rackmount, 1U	Rackmount, 1U	Rackmount, 1U	Rackmount, 1U	Rackmount, 1U	Rackmount, 1U
<b>Weight</b>	18.7 lb (8.5 kg)	18.7 lb (8.5 kg)	18.7 lb (8.5 kg)	18.7 lb (8.5 kg)	18.7 lb (8.5 kg)	18.7 lb (8.5 kg)	18.7 lb (8.5 kg)	18.7 lb (8.5 kg)
<b>Temperature</b>	32-104°F (0-40°C)	32-104°F (0-40°C)	32-104°F (0-40°C)	32-104°F (0-40°C)	32-104°F (0-40°C)	32-104°F (0-40°C)	32-104°F (0-40°C)	32-104°F (0-40°C)
<b>Relative Humidity</b>	10-95% non-condensing	10-95% non-condensing	10-95% non-condensing	10-95% non-condensing	10-95% non-condensing	10-95% non-condensing	10-95% non-condensing	10-95% non-condensing

# A5100 / A5200 / A5500 Front Panel



# A5100 / A5200 / A5500 Rear Panel



A5100  
A5200  
A5500



Grounding screw  
General expansion slot

Removable fan tray

Hot swappable fan  
trays

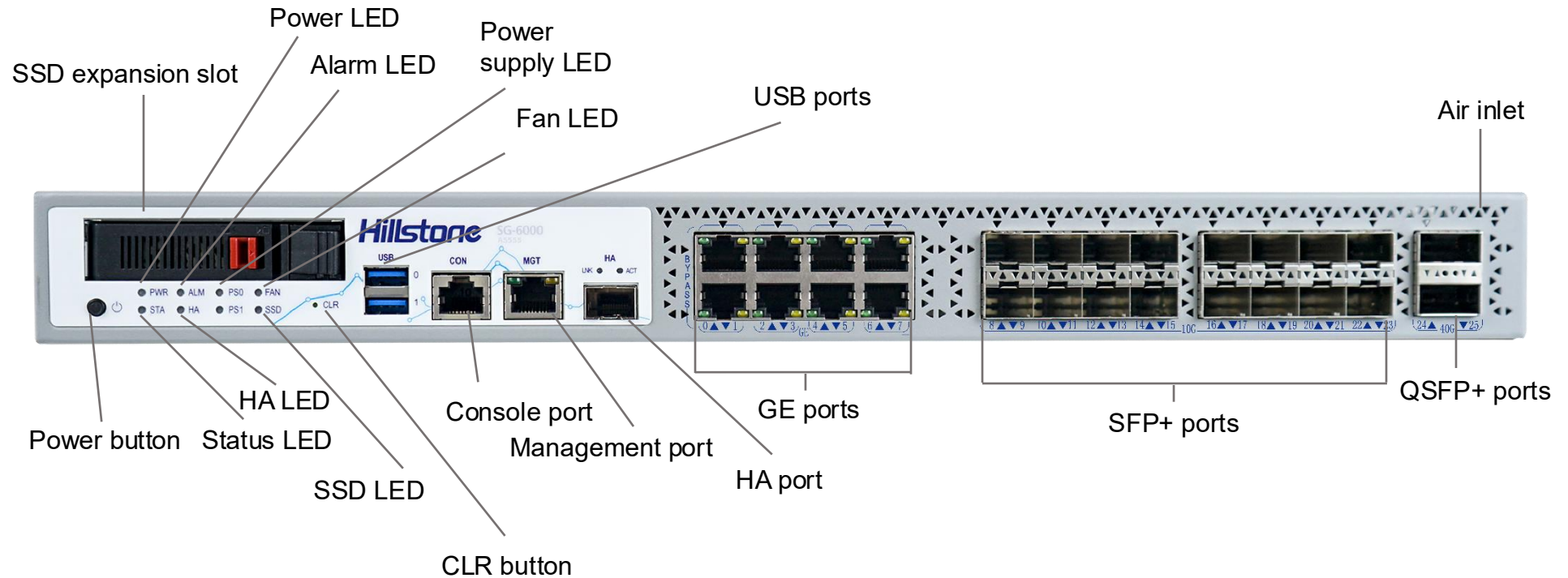
Power socket

Hot swappable power  
supply modules

# A5155 / A5255 / A5555 / A5600 / A5800 Front Panel



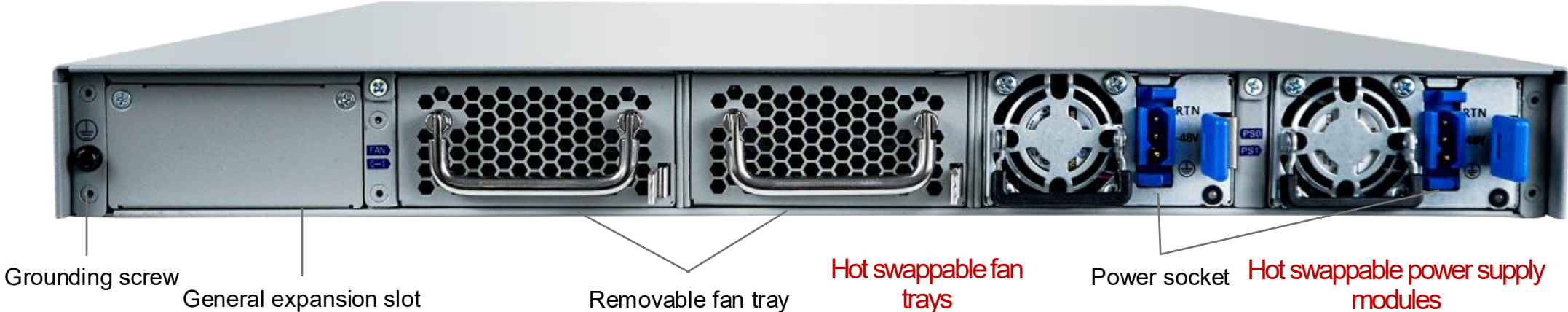
A5155  
A5255  
A5555  
A5600  
A5800



# A5155 / A5255 / A5555 / A5600 / A5800 Rear Panel



A5155  
A5255  
A5555  
A5600  
A5800

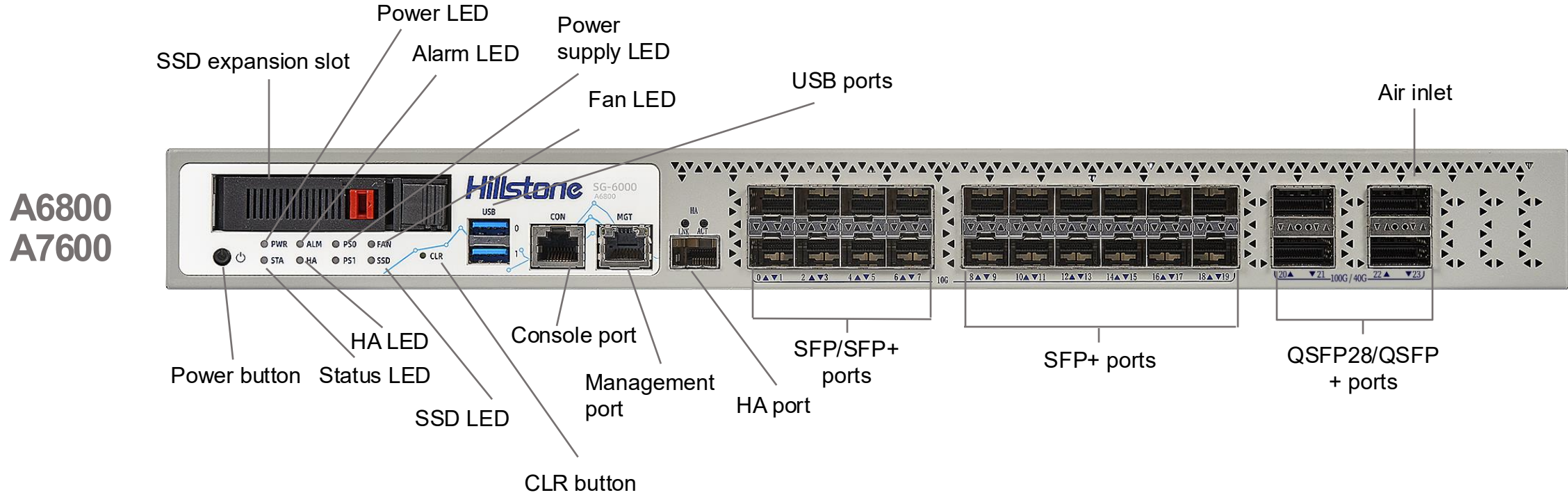


# The Hillstone A-Series NGFW: Specifications



	Rackmount	
	SG-6000-A6800-IN	SG-6000-A7600-IN
Firewall Throughput (without/with expansion module)	200 Gbps	280/320 Gbps
Maximum Concurrent Sessions	35 Million	42 Million
New Sessions/s	900,000	900,000
IPS Throughput	80 Gbps	80 Gbps
NGFW Throughput	80 Gbps	80 Gbps
Threat Protection Throughput	30 Gbps	30 Gbps
AV Throughput	45 Gbps	45 Gbps
IPsec VPN Throughput	45 Gbps	45 Gbps
Virtual Systems (Default/Max)	1/500	1/500
SSL VPN User Number	10,000	10,000
IPsec Tunnel Number	20,000	20,000
Management Ports	1 * Console Port, 2 * USB3.0 Ports, 1 * MGT Port (RJ45), 1 * HA port (SFP)	1 * Console Port, 2 * USB3.0 Ports, 1 * MGT Port (RJ45), 1 * HA port (SFP)
Fixed I/O Ports	4 * QSFP28 (or 2 * QSFP+, 2 * QSFP28) 12 * SFP+ 8 * SFP+/SFP	4 * QSFP28 (or 2 * QSFP+, 2 * QSFP28) 12 * SFP+ 8 * SFP+/SFP
Wi-Fi/ 4G Dongle	N/A	N/A
Available Slots for Expansion Modules	1	1
Expansion Module Option	IOC-A-4SFP+-IN, IOC-A-2QSFP+-IN, IOC-A-2MM-BE-IN, IOC-A-2SM-BE-IN	IOC-A-4SFP+-IN, IOC-A-2QSFP+-IN, IOC-A-2MM-BE-IN, IOC-A-2SM-BE-IN
Twin-mode HA	Yes	Yes
Local Storage	64 GB	64 GB
Expansion Storage Options	480GB / 960GB / 1.92TB SSD	480GB / 960GB / 1.92TB SSD
Power Specification	550W, Dual AC (default), Dual DC (optional)	550W, Dual AC (default), Dual DC (optional)
Power Supply	AC 100-240 V, 50/60 Hz DC -36~-72 V	AC 100-240 V, 50/60 Hz DC -36~-72 V
Form Factor	Rackmount, 1U	Rackmount, 1U
Weight	20.3 lb (9.2 kg)	20.3 lb (9.2 kg)
Temperature	32-104°F (0-40°C)	32-104°F (0-40°C)
Relative Humidity	10-95% non-condensing	10-95% non-condensing

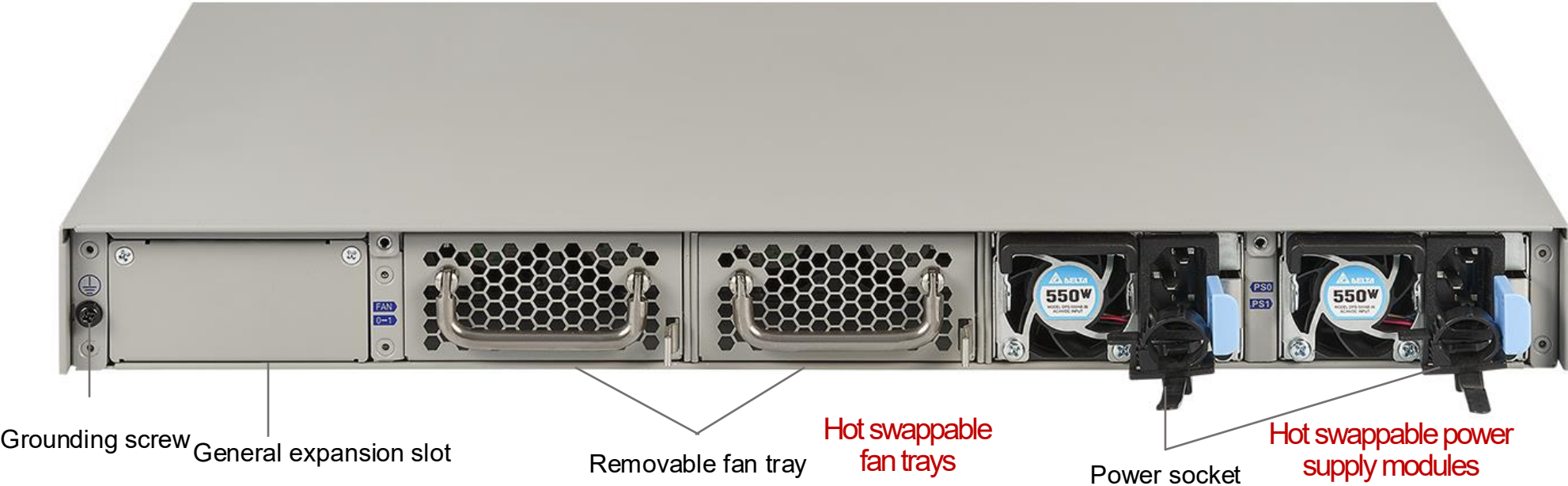
# A6800 / A7600 Front Panel



# A6800 / A7600 Rear Panel



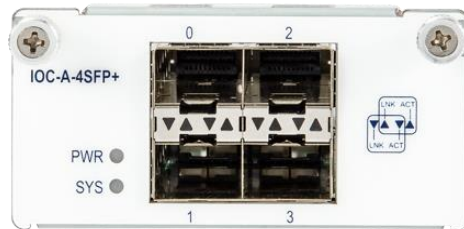
A6800  
A7600



# Expansion Modules

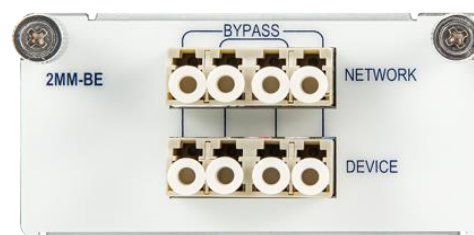
- A2715, A2815, A3615, A3700, A3800, A3815, A5100, A5155, A5200, A5255, A5500, A5555, A5600, A5800, A6800 and A7600 provide expansion slots for expansion modules.
- There are a total of 7 expansion modules available, 4 for rear panel and 3 for front panel. The expansion modules for front panel are specifically available for A2715, A2815, A3615, A3815.

**IOC-A-4SFP+IN**



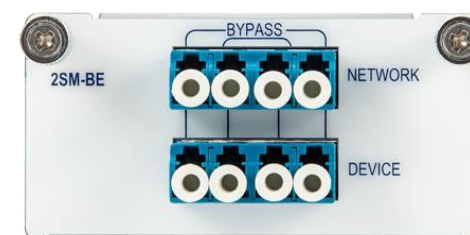
**4SFP+ expansion module for rear panel  
(adaptive to SFP module)**

**IOC-A-2MM-BE-IN**



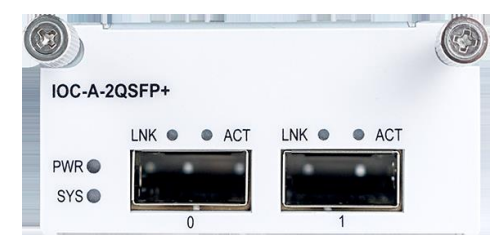
**Multi-mode bypass expansion module  
for rear panel**

**IOC-A-2SM-BE-IN**



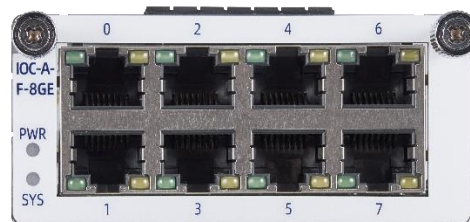
**Single-mode bypass expansion  
module for rear panel**

**IOC-A-2QSFP+IN**



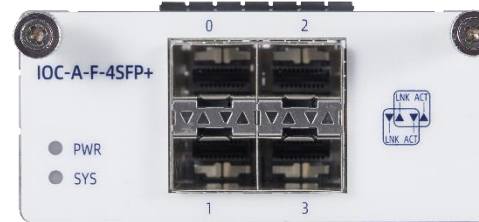
**2QSFP+ expansion module for rear  
panel**

**IOC-A-F-8GE-IN**



**8GE (including 4 bypass pairs) expansion  
module for front panel**

**IOC-A-F-4SFP+IN**



**4SFP+ expansion module for front panel**

**IOC-A-F-8SFP+IN**



**8SFP+ expansion module for front panel**

# Expansion SSD: Images



**256 GB SSD**  
For A1000, A1100

**480 GB / 960 GB / 1.92 TB SSD**  
For A2000, A2600, A2700, A2715, A2800, A2815, A3000, A3600, A3615, A3700, A3800, A3815, A5100,  
A5155, A5200, A5255, A5500, A5555, A5600, A5800, A6800, A7600

- Management

- The A-Series devices can be managed via console, telnet, ssh, http, and https channels.
- The default management port of A1000 is eth0/0 port, while all other models have MGT port as the management port.
- Ssh and https are available by default.

- Hot Swap

- The expansion module is not hot-swappable.
- All optical modules are hot-swappable.
- A3800, A3815, A5x00, A5x55, A6800, A7600 support removable fan trays, and the fan trays are hot-swappable.
- A3800, A3815, A5x00, A5x55, A6800 and A7600 support removable power modules, and the power modules are hot-swappable. The power modules of A3800, A3815, A6800 and A7600 are the same, which are not interchangeable with the power modules of A5x00 and A5x55.



Département Commercial

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Distributeur à valeur ajoutée **WCA**

***Vous accompagne***



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