



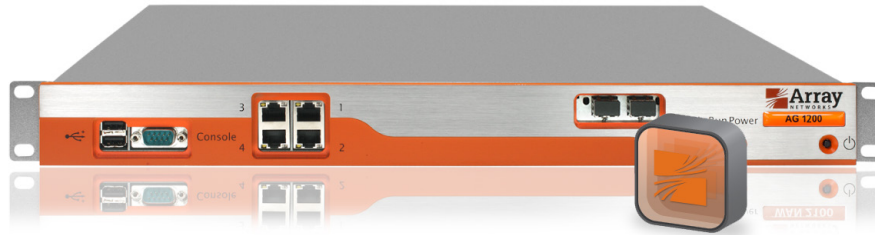
AG SERIES DATASHEET

Secure Access Gateways

AG Series secure access gateways provide scalable and controlled remote and mobile access to corporate networks, enterprise applications and cloud services for any user, anywhere on any device.

Powered by Array's 64-bit SpeedCore® architecture, AG Series secure access gateways are the ideal choice for enterprises and service providers seeking scalable and flexible secure access engineered to support next-generation mobile and cloud computing environments. Available as high-performance appliances that feature the latest in acceleration technologies and energy-efficient components or as virtual appliances that enable flexible pay-as-you-go business models, AG Series appliances are unmatched in their ability to provide remote and mobile access to large and diverse communities of interest without compromising security or the end-user experience.

Highlights & Benefits



- Anytime, anywhere browser-based secure remote access, enables increased productivity for employees, partners, tenants, customers, contractors and guests
- Simple, scalable and secure remote desktop that enables use of PCs and virtual desktops from any device in any location
- Secure mobile access for individual native and Web applications for supporting Bring Your Own Device (BYOD) or secure access from managed smart phones and tablets
- Hardware appliances supporting up to 3 Gbps throughput, 130,000 concurrent users and 500,000 user profiles for maintaining security and driving productivity at scale
- Virtual appliances running on Array's AVX Series Network Functions Platform support up to 10,000 concurrent users and up to 3,200 Mbps throughput
- Virtual appliances running on general-purpose servers support from 300 to 10,000 concurrent users and from 100 to 500 Mbps throughput
- Up to 256 cross-platform HTML5 secure access portals, customizable to the security and usability preferences of multiple tenants and communities of interest
- Range of access methods including Web, Layer-3, thin client, HTML5 and client-server connectivity
- SSL encryption for data in transit
- Supports a range of OAuth, SAML, AAA, one-time password and multi-factor authentication schemes
- Endpoint security including device-based identification, host-checking, cache cleaning and adaptive policies
- Per-user policy engine for identity-based access to URLs, files, networks and applications
- Cross-platform support for a range of operating systems and browsers
- Array Business Continuity (ABC) contingency licenses for affordably supporting surge remote access
- N+1 clustering and redundant power for business-critical application environments requiring 24/7 uptime
- Compact 1RU and 2RU form factors for environments where space is at a premium
- Familiar CLI, intuitive WebUI and centralized management for ease of use and configuration

Integrated Secure Access

Array AG Series secure access gateways integrate SSL VPN, remote desktop access and secure mobile access to deliver scalable and flexible secure access for both remote and mobile users.

From a single platform, secure access can be enabled for multiple communities of interest including employees, partners, guests and customers.

In addition, AG Series physical and virtual appliances support next-generation "any-to-any" secure access via robust feature sets for bring-your-own-device (BYOD) and controlled access to cloud services.

SSL VPN Remote Access

SSL VPN secure remote access enables anytime, anywhere access to business applications – increasing productivity while maintaining security and compliance. Users need only a common Web browser to quickly and securely access resources and applications for which they are authorized.

Using SSL, the security protocol present in all Web browsers, AG Series appliances can enable a range of remote access methods across a broad spectrum of managed and unmanaged devices.

Web applications can be made available within a secure Web portal, while network-level connectivity and connectivity for specific client-server applications over SSL can be enabled via a universally-compatible client.

Remote Desktop Access

Remote desktop access allows employees to access their work PCs and laptops from any location as if they were in the office. Using remote desktop, workers can control their physical and virtual office desktops from any remote location – whether they are at their home office, a customer or partner site or on a tablet or smart phone.

Remote desktop access is different from traditional VPN access. Because sensitive files and data never leave the corporate network and never reside on remote and mobile devices, security is assured.

Leveraging existing office PCs and unique Array remote desktop technologies such as user self-registration and wake-on-LAN, remote access and BYOD can be extended enterprise-wide in a manner that is both secure and cost-effective.

Secure Mobile Access

In addition to supporting remote desktop for iPhone, iPad and Android devices, AG Series appliances also support secure access for native business apps and HTML5 apps developed for mobile environments.

After installing Array's mobile client on tablets and smart phones, native business apps can be authorized for specific users and automatically installed on end-user devices from an integrated enterprise app store. HTML5 apps can also be provisioned on a per-user basis and are accessible from a secure browser within the mobile client.

Mobile VPN connections may be enabled per application, and applications may be authorized per user at the administrator's discretion; moreover, all data associated with enterprise apps are stored in a secure container to prevent data leakage.

In the event that devices become lost or stolen, contents of the secure container may be remotely wiped; in addition, device-based identification may be used to prevent future connectivity to the Array appliance from lost or stolen devices.

Virtual Portals

Built on Array virtualization technology, AG Series appliances can support up to 256 secure access virtual HTML5 portals to meet the unique needs of multiple user groups and tenants. Each virtual HTML5 portal is fully independent, with separate management, access policies, access methods and resources.

HTML5 portals do not depend on ActiveX or Java applets, and are compatible with all platforms, thus providing a unified experience for end users regardless of the platforms or browsers.

Built-in templates make creating virtual portals easy, and provide a starting point for further customization.

In addition, features and functions can be seamlessly integrated into existing Web pages and custom layouts with minimal effort using Array portal theme technology.

Per-User Policy Engine

AG Series appliances enable access policies on a per user basis. In addition to validating hardware IDs, AG appliances check remote devices for required OS version, service packs and anti-virus software before granting access to protected networks and resources.

Roles may be assigned based on username, group name, source IP, login time and authentication method and can specify which resources are available to which access methods. Each role may be assigned different resources and QoS policies.

With capacity for 500,000 users in its local database, access policies can be stored on the Array appliance or can be provided via integration with external OAuth or AAA servers. In addition, Single Sign-On (SSO) settings can be customized to store multiple usernames and passwords for different backend application servers.

Moreover, authentication may be set such that users must authenticate to multiple AAA servers for added security, in a manner similar to multi-factor authentication.

The AG Series also supports single sign-on (SSO). Working as a SAML service provider, the AG Series confirms users' identities and authorizations with an identity provider (IdP) to allow seamless access to multiple resources with a single login. SAML SSO streamlines the user experience while maintaining strong security.

End-to-End Security

A dissolvable client-side security agent mitigates network or resource exposure by enforcing pre- and post-admission policies and adapting access rights to suit changes in the client environment. Host-checking verifies device and user identity, and ensures clients meet pre-defined security parameters (anti-virus, anti-spyware, personal firewalls, patches, service

packs) and determines adaptive policies. For additional control, cache cleaning can be enabled to wipe cached information from devices when sessions end.

The AG Series supports multiple authentication methods to provide an additional layer of defense against unauthorized access and misuse of data and applications. The built-in one-time password (OTP) capability uses SMS to verify identities via users' mobile phones. Multiple 3rd party two-factor and multi-factor authentication products are also supported.

All traffic between clients and the Array appliance is secured via SSL encryption, and a security-hardened OS ensures that Array appliances are as secure as the networks and resources they protect. Layer 2-7 authorization provides granular access control based on user identity and role within the organization and auditing tracks all activity on a per-user, per-event and per-resource level. URL blacklisting is also available to restrict access to undesirable Web sites.

For organizations with remote offices, branches or other operations, the AG Series supports Site2Site, a hub-and-spoke SSL VPN tunneling solution.

Acceleration & Availability

Security often comes at the expense of performance and ease-of-use; in other words, secure access won't enhance productivity unless users find it fast and friendly. To ensure both performance and security, AG Series appliances support integrated application acceleration features including connection multiplexing, SSL acceleration and compression.

In the event of a failure, Array N+1 clustering technology ensures a transparent and unaffected end-user experience.

Management & Reporting

AG Series appliances offer both a familiar CLI and an intuitive Web user interface that can easily be customized to create streamlined, integrated management systems. Monitoring is made simple with SNMP-based monitoring tools, and with support for

XML-RPC, a range of third-party applications can be used to automate management tasks.

Integration & Extensibility

Taking advantage of extensible APIs, IT can marry secure access intelligence with threat and risk management platforms, virtual management platforms, and custom solutions for reporting, billing, SLAs and vertical-specific requirements. Developers can also create custom native apps with built-in security for mobile environments. From providing real-time usage intelligence to seamlessly interacting with 3rd party secure access and application delivery technologies to integrating with cloud management systems, the power of AG Series APIs is unprecedented.

Array Business Continuity (ABC)

Secure access is a compelling technology for business continuity planning; however, many vendors require businesses to buy contingency licenses outright and most competing products are designed with only enough capacity to support the limited needs of day-to-day remote access.

Only Array has the scalability to support an entire workforce on a single system while maintaining a premium experience for each user. And because helpdesk calls are the last thing you need in an emergency, Array offers the unique ability for first time users to log into a company URL and immediately see their familiar work desktop.

Ten-day contingency licenses are available in increments from 25 to 12,000 concurrent users and are activated by exceeding a base concurrent user license.

Product Editions

AG Series physical appliances and vxAG virtual appliances support multiple options: AccessDirect™ enables SSL VPN remote access, and the DesktopDirect™ add-on enables remote desktop

access. In addition, all product options support ABC business continuity contingency licenses.

Physical & Virtual Appliances

AG Series physical appliances leverage a multi-core architecture, SSL acceleration and compression, energy-efficient components and 10 GigE connectivity to create solutions purpose-built for scalable secure access. The AG1500FIPS model offers FIPS 140-2 Level 2 compliance for organizations that require a higher level of security.

Whether running on Array's AVX Series Network Functions Platform, on common hypervisors, or in popular public cloud platforms, vxAG virtual appliances are ideal for organizations seeking to benefit from the flexibility of virtual environments, offer infrastructure services and new elastic business models or evaluate Array secure access with minimal risk and up-front cost.

Access Methods

Clientless:

Web Access

100% clientless – Supports HTML, JavaScript and plug-in parameters – Ensures proper function of applications beyond the corporate network – Masks internal DNS and IP addressing – Supports browser-based access from any device – Supports URL filtering – Web file sharing

On-Demand Client:Network &
Application Access

Pre-installed or Web-delivered client through Java or ActiveX – L3, L4 or auto-select tunneling – Auto-launch upon login, transparent to users – L3 & L4 for Windows XP (32-bit), Windows 7 (32/64-bit), Linux, MacOS – Split tunneling and full tunneling control, create tunnel through HTTP forward proxy – Supports any IP application including TCP, UDP, NetBIOS, Outlook, Terminal Devices, FTP, CRM and all CS and BS applications – Internal static and dynamic IP address assignment and external DHCP server IP address assignment – Network drive mapping – Auto-launch of network scripts and commands – Differentiated configurations per user or group roles – Stand-alone, command line and SDK for Array VPN client – MotionPro Windows/MacOS Client – Multi-language support – Detailed traffic logs

Thin Client:Remote Desktop
Access

Utilizes local RDP client (RDP 5.0 or higher) – RDP auto-update/deployment – User parameters including screen size, color depth, sound and redirection (if permitted) – Multiple monitors – Performance tuning – Redirection control for drives, printers, ports, smart cards and clipboards – Supports VMView 6.x

Mobile Client:Secure Mobile
Access

MotionPro native app for secure mobile access for iPad, iPhone and Android devices – Downloadable from Apple AppStore and Google Play marketplace – Enterprise app store – Automated app installation – SSL mobile VPN – SDK for native 3rd party apps with integrated application level VPN – Secure browser for Web & HTML5 applications

**Remote Office
Support:**

SSL VPN Tunneling

Site2Site secure SSL VPN tunneling for remote offices, branches or other operations

Client-Side Security

Host Checking

Verifies device state prior to granting access – Scans for personal firewalls, anti-virus, anti-spam, software version and service packs – Custom rules for a range of apps, registry checks and patches – MAC address or hardware ID validation

Adaptive Policies

Access level conditional on end-point status – Integrated policy management

Cache Cleaning

Wipes all stored browser information upon session termination – Per-session with idle timeout and browser closure

End-Point Security

Device-based identification, data container and remote wipe for mobile devices – Anti-key logging and anti-screen capture for remote PCs – URL blacklisting to prevent access to undesirable Web sites

Server-Side Security

Gateway

Security-hardened OS – Passive and active Layer-7 content filtering – Permit or deny policies – DDoS prevention – Reverse-proxy network separation

Encryption

TLS 1.0/SSL 3.0, TLS 1.2 – RC4-MD5, RC4-SHA, EXP-RC4-MD5, DES-CBC3-SHA, AES128-SHA, AES256-SHA, AES128-SHA256, AES256-SHA256, ECDHE-RSA-AES128-SHA, ECDHE-RSA-AES256-SHA, ECDHE-RSA-AES128-SHA256, ECDHE-RSA-AES256-SHA384, ECDHE-RSA-AES128-GCM-SHA256, ECDHE-RSA-AES256-GCM-SHA384, ECDHE-ECDSA-AES128-SHA, ECDHE-ECDSA-AES256-SHA, ECDHE-ECDSA-AES128-SHA256, ECDHE-ECDSA-AES256-SHA384, ECDHE-ECDSA-AES128-GCM-SHA256, ECDHE-ECDSA-AES256-GCM-SHA384, ECC-SM4-SM3 and ECDHE-SM4-SM3 – 1024 – 1024, 2048 and 4096-bit keys – SSL session reuse – Certificate field passing to backend – Online/offline CRL – OCSP

Authentication, Authorization & Auditing (AAA)

Authentication

LDAP, RADIUS, AD, LocalDB, RSA SecurID, Swivel, Vasco, SMX, custom, multi-step HTTP – 500,000 users in LocalDB – Enable/disable LocalDB user – LocalDB password policy control – Backup/restore LocalDB – Export LocalDB in CSV format (Excel) – Up to 1500 logins per second – Certificate-based authentication – Authentication server ranking (search user credential in multiple servers) – RADIUS challenge response mode – Restrict login based on date and time – Single sign-on, NTLM, HTTP basic authentication and HTTP POST – User lock-up by login failure, inactivity or manually by administrator – Automatic login failure lockout for AAA accounts – SAML single sign-on (SSO) – OAuth via Google or WeChat

Authorization

Granular access control – Role-based access control – Roles defined by username, group name, login time, source IP and login method – Permit and deny policies – Authorize user based on MAC address or hardware ID – Provides high flexibility in configuration and detailed logging – Available desktops and redirection conditional upon end-points

Auditing

Full audit trail in WebTrends WELF format – Logs all user activity (success, failure, attack) – Syslog – Alarm/trap – Stats/counters – SNMP MIB

Multi-Factor

Built-in one-time password, SSL client certificates, RSA SecurID, Entrust, other RADIUS-based authentication systems – Multiple AAA server authentication

Performance & Scalability

System

64-bit Array SpeedCore multi-core platform – Optimized packet flow with single-digit millisecond latency – Up to 130,000 concurrent users on a single appliance – Up to 3 Gbps SSL throughput on a single appliance – SSL key exchange and bulk encryption performed in kernel – Connection multiplexing for optimizing server efficiency and reducing back-end connections – High-availability and scale out (active/active, active/standby clustering)

Virtualization

Up to 256 virtual secure access portals – Single page virtual site creation – Concurrent user session control per virtual portal – Delegated management – Portal theme technology for custom virtual portals or integrating with pre-existing Web pages – Pure Java script-based customization on per virtual portal basis – No external server requirements – Localized end-user GUI support for English, Japanese, simplified and traditional Chinese

Management

System Administration

Intuitive WebUI – Quick-start wizard – Role-based administration – Strong administrator authentication – RADIUS accounting – No client installation or management – Configuration synchronization – Full device backup and restore including client security, portal theme, SSL certificates, keys, CRL, LocalDB – User/feature license control – Exporting of system statistics – NTP, NAT, RTS, logging – Customizable DNS resolution

Array Registration Technology (ART) for Remote Desktop

Manual/static registration – User self-registration/automatic registration – Bulk registration (import/export from external database) – Scalable to 150K users and 300K desktops – Registration portal wizard – Remote power management via wake-on-LAN (WoL) technology

Warranty & Support

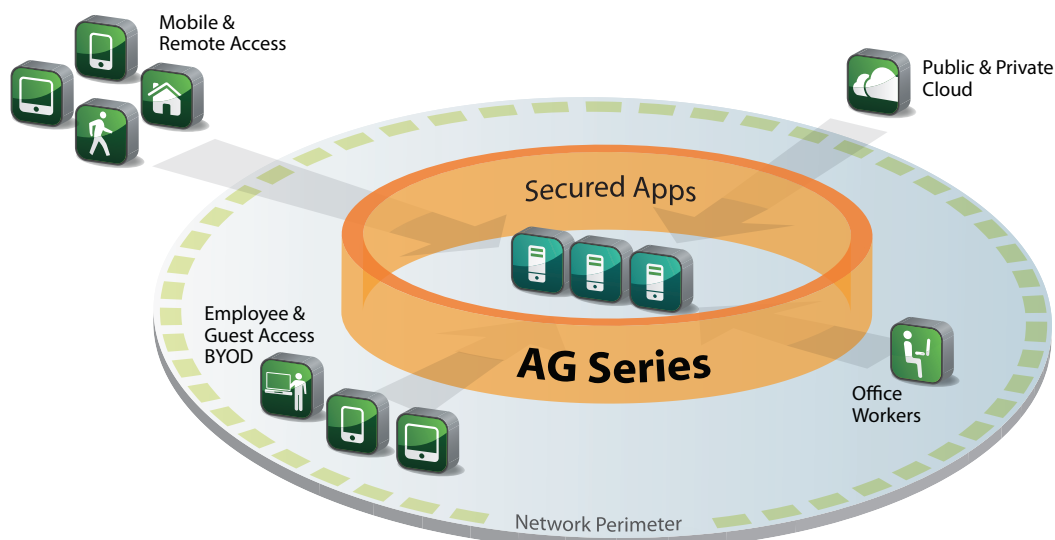
System

1-year hardware, 90-day software

Support

Gold, silver and bronze-level support plans

Array Secure Access Architecture



Product Specifications

• STANDARD ○ OPTIONAL

	AccessDirect SSL VPN Remote Access	DesktopDirect Remote Desktop Access
Clustering	•	•
Web UI	•	•
SSL & IPsec Encryption	•	•
Virtual Portals	5 included	5 included
Web Applications	•	
HTML5	•	
L3 VPN Client	•	
Host Checking & Cache Cleaning	•	
SAML Single Sign-On (SSO)	•	
Site2Site SSL VPN Tunneling	•	
Array Registration Technology		•
Wake-on-LAN		•
Enterprise App Store		
L3 Mobile VPN		
L4 SDK Tunneling		
Secure Browser		
Client, App & Device Security		
Additional Virtual Portals	○	○
Array Business Continuity	○	○

	AG1000	AG1000T	AG1100	AG1150	AG1200	AG1500/ AG1500FIPS	AG1600
Max. Concurrent Users	300	600	3,000	10,000	25,000	70,000	130,000
Max. Virtual Portals	10	20	50	256			
2048-bit SSL Processing	Yes						
Compression	Yes						
Interfaces							
1GigE Copper	4	4	4	4	4	4	4
1GigE Fiber			O	O	O	O	O
10GigE Fiber						O	O
Clustering	Active/Active Active/Standby						
Form Factor	1U					2U	
Typical Power Consumption	134W				153W	209W	
Input Voltage	AG1000, 1000T, 1100, 1150, 1200		Single Power: 100-240VAC, 8-4A, 50-60Hz				
	AG1100, 1150, 1200		Dual Power: 100-240VAC, 8-4A, 50-60Hz, Auto-Ranging, Hot Swappable				
	AG1500, 1600		Dual Power: 100-240VAC; 10-5A; 50-60Hz Full-Range Input Redundant, Hot Swappable				
Dimensions	AG1000, 1000T, 1100, 1150, 1200		Single Power: 17" W x 15" D x 1.75" H				
	AG1100, 1150, 1200		Dual Power: 17" W x 19.875" D x 1.75H				
	AG1500, 1600		Dual Power: 17" W x 21.5" D x 3.5" H				
Weight	AG1000, 1000T, 1100, 1150, 1200		Single Power: 13.6lbs				
	AG1100, 1150, 1200		Dual Power: 17.2lbs				
	AG1500, 1600		Dual Power: 28lbs				
Environmental	Operating Temperature: 0° to 45°C, Humidity: 0% to 90%, Non-condensing						
Regulatory Compliance	ICES-003, EN 55024, CISPR 22, AS/NZS 3548, FCC, 47FR part 15 Class A, VCCI-A. AG1500FIPS only: FIPS140-2 Level 2						
Safety	CSA, C/US, CE, IEC 60950-1, UL/CSA 60950-1, EN 60950-1						
Support	Gold, Silver and Bronze Level Support Plans						
Warranty	1 Year Hardware, 90 Days Software						

	Supported Hypervisors	Virtual Machine Requirements
vxAG	VMware ESXi 4.1 or Later XenServer 5.6 or Later Open Xen 4.0 or Later KVM 1.1.1-1.8.1 or later Array AVX Series 2.1 and later	Requires minimum: 2 vCPUs 4GB RAM 40GB Disk 4 Virtual Network Adapters

Ordering Information

Ordering No.	Description
AG 1000 Bundles (Software SSL only)	
AW977601	AG1000 Value Bundle 25 (1U, 4x1GigE copper ports, single power supply, AccessDirect, 25 concurrent users and 5 virtual portals)
AW977602	AG1000 Value Bundle 50 (1U, 4x1GigE copper ports, single power supply, AccessDirect, 50 concurrent users and 5 virtual portals)
AW977603	AG1000 Value Bundle 100 (1U, 4x1GigE copper ports, single power supply, AccessDirect, 100 concurrent users and 5 virtual portals)
AW977604	AG1000 Value Bundle 300 (1U, 4x1GigE copper ports, single power supply, AccessDirect, 300 concurrent users and 5 virtual portals)
AG 1000-T Bundles	
AW977605	AG1000-T Value Bundle 25 (1U, 4x1GigE copper ports, single power supply, AccessDirect, 25 concurrent users and 5 virtual portals)
AW977606	AG1000-T Value Bundle 50 (1U, 4x1GigE copper ports, single power supply, AccessDirect, 50 concurrent users and 5 virtual portals)
AW977607	AG1000-T Value Bundle 100 (1U, 4x1GigE copper ports, single power supply, AccessDirect, 100 concurrent users and 5 virtual portals)
AW977608	AG1000-T Value Bundle 300 (1U, 4x1GigE copper ports, single power supply, AccessDirect, 300 concurrent users and 5 virtual portals)
AG 1100 Bundles	
AW977721	AG1100 Value Bundle 100 (1U, 4x1GigE copper Ports, single power supply, AccessDirect, 100 concurrent users and 5 virtual portals)
AW977722	AG1100 Value Bundle 300 (1U, 4x1GigE copper Ports, single power supply, AccessDirect, 300 concurrent users and 5 virtual portals)
AW977723	AG1100 Value Bundle 500 (1U, 4x1GigE copper Ports, single power supply, AccessDirect, 500 concurrent users and 5 virtual portals)
AW977724	AG1100 Value Bundle 1000 (1U, 4x1GigE copper Ports, single power supply, AccessDirect, 1000 concurrent users and 5 virtual portals)
AG 1100 Bundles - Dual Power Supplies	
AW977726	AG1100 Value Bundle 100 (1U, 4x1GigE copper Ports, dual power supplies, AccessDirect, 100 concurrent users and 5 virtual portals)
AW977727	AG1100 Value Bundle 300 (1U, 4x1GigE copper Ports, dual power supplies, AccessDirect, 300 concurrent users and 5 virtual portals)
AW977728	AG977728 AG1100 Value Bundle 500 (1U, 4x1GigE copper Ports, dual power supplies AccessDirect, 500 concurrent users and 5 virtual portals)

Ordering No.	Description
AW977728	AG1100 Value Bundle 500 (1U, 4x1GigE copper Ports, dual power supplies AccessDirect, 500 concurrent users and 5 virtual portals)
AW977729	AG1100 Value Bundle 1000 (1U, 4x1GigE copper Ports, dual power supplies, AccessDirect, 1000 concurrent users and 5 virtual portals)
AG 1150 Bundles	
AW977730	AG1150 Value Bundle 100 (1U, 4x1GigE copper Ports, single power supply, AccessDirect, 100 concurrent users and 5 virtual portals)
AW977731	AG1150 Value Bundle 300 (1U, 4x1GigE copper Ports, single power supply, AccessDirect, 300 concurrent users and 5 virtual portals)
AW977732	AG1150 Value Bundle 500 (1U, 4x1GigE copper Ports, single power supply, AccessDirect, 500 concurrent users and 5 virtual portals)
AW977733	AG1150 Value Bundle 1000 (1U, 4x1GigE copper Ports, single power supply, AccessDirect, 1000 concurrent users and 5 virtual portals)
AW977734	AG1150 Value Bundle 2500 (1U, 4x1GigE copper Ports, single power supply, AccessDirect, 2500 concurrent users and 5 virtual portals)
AG 1150 Bundles - Dual Power Supplies	
AW977735	AG1150 Value Bundle 100 (1U, 4x1GigE copper Ports, dual power supplies, AccessDirect, 100 concurrent users and 5 virtual portals)
AW977736	AG1150 Value Bundle 300 (1U, 4x1GigE copper Ports, dual power supplies, AccessDirect, 300 concurrent users and 5 virtual portals)
AW977737	AG1150 Value Bundle 500 (1U, 4x1GigE copper Ports, dual power supplies, AccessDirect, 500 concurrent users and 5 virtual portals)
AW977738	AG1150 Value Bundle 1000 (1U, 4x1GigE copper Ports, dual power supplies, AccessDirect, 1000 concurrent users and 5 virtual portals)
AW977739	AG1150 Value Bundle 2500 (1U, 4x1GigE copper Ports, dual power supplies, AccessDirect, 2500 concurrent users and 5 virtual portals)
AG 1200 Bundles	
AW977740	AG1200 Value Bundle 300 (1U, 4x1GigE copper Ports, single power supply, AccessDirect, 300 concurrent users and 5 virtual portals)
AW977741	AG1200 Value Bundle 500 (1U, 4x1GigE copper Ports, single power supply, AccessDirect, 500 concurrent users and 5 virtual portals)
AW977742	AG1200 Value Bundle 1000 (1U, 4x1GigE copper Ports, single power supply, AccessDirect, 1000 concurrent users and 5 virtual portals)

Ordering No.	Description
AWg77743	AG1200 Value Bundle 2500 (1U,4x1GigE copper Ports, single power supply, AccessDirect, 2500 concurrent users and 5 virtual portals)
AWg77744	AG1200 Value Bundle 5000 (1U,4x1GigE copper Ports, single power supply, AccessDirect, 5000 concurrent users and 5 virtual portals)
AG 1200 Bundles - Dual Power Supplies	
AWg77745	AG1200 Value Bundle 300 (1U,4x1GigE copper Ports, dual power supplies, AccessDirect, 300 concurrent users and 5 virtual portals)
AWg77746	AG1200 Value Bundle 500 (1U,4x1GigE copper Ports, dual power supplies, AccessDirect, 500 concurrent users and 5 virtual portals)
AWg77747	AG1200 Value Bundle 1000 (1U,4x1GigE copper Ports, dual power supplies, AccessDirect, 1000 concurrent users and 5 virtual portals)
AWg77748	AG1200 Value Bundle 2500 (1U,4x1GigE copper Ports, dual power supplies, AccessDirect, 2500 concurrent users and 5 virtual portals)
AWg77749	AG1200 Value Bundle 5000 (1U,4x1GigE copper Ports, dual power supplies, AccessDirect, 5000 concurrent users and 5 virtual portals)
AG 1500 Bundles - Dual Power Supplies	
AWg77750	AG1500 Value Bundle 500 (2U,4x1GigE copper Ports, dual power supplies, AccessDirect, 500 concurrent users and 5 virtual portals)
AWg77751	AG1500 Value Bundle 1000 (2U,4x1GigE copper Ports, dual power supplies, AccessDirect, 1000 concurrent users and 5 virtual portals)
AWg77752	AG1500 Value Bundle 2500 (2U,4x1GigE copper Ports, dual power supplies, AccessDirect, 2500 concurrent users and 5 virtual portals)
AWg77753	AG1500 Value Bundle 5000 (2U,4x1GigE copper Ports, dual power supplies, AccessDirect, 5000 concurrent users and 5 virtual portals)
AWg77754	AG1500 Value Bundle 10000 (2U,4x1GigE copper Ports, dual power supplies, AccessDirect, 10000 concurrent users and 5 virtual portals)
AG 1600 Bundles - Dual Power Supplies	
AWg77760	AG1600 Value Bundle 1000 (2U,4x1GigE copper Ports, dual power supplies, AccessDirect, 1000 concurrent users and 5 virtual portals)
AWg77761	AG1600 Value Bundle 2500 (2U,4x1GigE copper Ports, dual power supplies, AccessDirect, 2500 concurrent users and 5 virtual portals)
AWg77762	AG1600 Value Bundle 5000 (2U,4x1GigE copper Ports, dual power supplies, AccessDirect, 5000 concurrent users and 5 virtual portals)
AWg77763	AG1600 Value Bundle 10000 (2U,4x1GigE copper Ports, dual power supplies, AccessDirect, 10000 concurrent users and 5 virtual portals)

Ordering No.	Description
AG 1500 FIPS Hardware Only - Dual Power Supplies	
AWg77756	AG1500-FIPS (2U,4x1GigE copper Ports, dual power supplies, AccessDirect, 5 virtual portals, Must select Concurrent User Licenses)
AG Bundles Upgrade & Add-on Options	
AWg10257	2x1GbE fiber NIC to AG1100/1150/1200
AWg10207	4x1GbE fiber NIC to AG1500/1600
AWg10211	2x10GbE fiber NIC to AG1500/1600
Factory Options	
AWg10277	Factory Only: 256GB SSD option for AG XX00 Series
Module Add-ons	
AUg28760	Add DesktopDirect license to any AG1000/T bundle.
AUg28761	Add DesktopDirect license to any AG1100/1150 bundle.
AUg28762	Add DesktopDirect license to any AG1200 bundle.
AUg28763	Add DesktopDirect license to any AG1500 bundle.
AUg28764	Add DesktopDirect license to any AG1600 bundle.
Virtual Portals Add-ons	
AUg20138	SW Upgrade: Add 1 Virtual Portal (incl. URL aliasing)
AUg20139	SW Upgrade: Add 5 Virtual Portals (incl. URL aliasing)
AUg20140	SW Upgrade: Add 10 Virtual Portals (incl. URL aliasing)
Concurrent Users Licenses Add-ons*	
AWg20103	Add 10 Concurrent Users (up to max conc. user limits)
AWg20105	Add 25 Concurrent Users (up to max conc. user limits)
AWg20110	Add 50 Concurrent Users (up to max conc. user limits)
AWg20120	Add 100 Concurrent Users (up to max conc. user limits)
AWg20121	Add 250 Concurrent Users (up to max conc. user limits)
AWg20122	Add 500 Concurrent Users (up to max conc. user limits)
AWg20123	Add 1,000 Concurrent Users (up to max conc. user limits)
AWg20127	Add 2,500 Concurrent Users (up to max conc. user limits)
AWg20130	Add 5,000 Concurrent Users (up to max conc. user limits)
AWg20133	Add 10,000 Concurrent Users (up to max conc. user limits)
AWg20137	Add 25,000 Concurrent Users (up to max conc. user limits)
Array Business Continuity Pre-paid License	
BCg20194	ABC Pre-paid License: Add 25 concurrent users to any AG for any 10 days of BCP Emergency usage
BCg20195	ABC Pre-paid License: Add 50 concurrent users to any AG for any 10 days of BCP Emergency usage
BCg20189	ABC Pre-paid License: Add 100 concurrent users to any AG for any 10 days of BCP Emergency usage

Ordering No.	Description
BC920196	ABC Pre-paid License: Add 250 concurrent users to any AG for any 10 days of BCP Emergency usage
BC920190	ABC Pre-paid License: Add 500 concurrent users to any AG for any 10 days of BCP Emergency usage
BC920197	ABC Pre-paid License: Add 1,000 concurrent users to any AG for any 10 days of BCP Emergency usage
BC920201	ABC Pre-paid License: Add 2,500 concurrent users to any AG for any 10 days of BCP Emergency usage
BC920204	ABC Pre-paid License: Add 5,000 concurrent users to any AG for any 10 days of BCP Emergency usage
BC920207	ABC Pre-paid License: Add 10,000 concurrent users to any AG for any 10 days of BCP Emergency usage
vSite2Site Spoke Licenses Add-Ons**	
AW928800	Add 5 vSite2Site spoke licenses (up to maximum spoke limits)
AW928801	Add 10 vSite2Site spoke licenses (up to maximum spoke limits)
AW928802	Add 25 vSite2Site spoke licenses (up to maximum spoke limits)
AW928803	Add 50 vSite2Site spoke licenses (up to maximum spoke limits)
AW928804	Add 100 vSite2Site spoke licenses (up to maximum spoke limits)
AW928805	Add 500 vSite2Site spoke licenses (up to maximum spoke limits)
Miscellaneous	
AR400023	Power Supply Module: 450W, 1U (100-240V, 8-4A, 63-47Hz)
AR400024	Power Supply Module: 800W, 2U (100-240V, 10-5, 50-60Hz)
AR400019	Power Supply Module: 275W, 1U (100-240V, 4-2A, 63-47Hz)
AR400018	Power Supply Module: 620W, 2U (100-240V, 10, 63-47Hz)
AW969001	C14 to C13 200V System Power Cord (Japan)
AW220230	AG Field Upgrade: SX SFP Fiber Optical Transceiver (1G-Multi Mode 550M / LC / 850nm)
AW220231	AG Field Upgrade: LX SFP Fiber Optical Transceiver (1G-Multi Mode 2KM / LC / 1310nm)
AW220232	AG Field Upgrade: 1000Base-T SFP Copper Optical Transceiver (RJ45)

*Concurrent Users Licenses Add-ons:

1. Maximum concurrent users: AG1000 = 300, AG1000-T = 600, AG1100 = 3,000, AG1150 = 10,000, AG1200 = 25,000, AG1500 = 72,000, AG1600 = 128,000
2. Concurrently users licenses applies to both standalone and cluster configurations. For HA cluster add-ons, customers can choose how they would like their additional cc. users licenses applied. For example, a customer can order an additional 100 cc. users licenses and apply them all (100) to one appliance in the HA cluster or split them evenly (50/50) across the two appliances.

** vSite2Site Spoke Licenses Add-ons

1. Maximum spoke limits: vxAG= 10, AG1000 = 10, AG1000-T = 25, AG1100 = 50, AG1150 = 100, AG1200 = 250, AG1500 = 500, AG1600 = 1,000
2. vSite2Site spoke licenses apply to both standalone and cluster configurations. For HA cluster add-ons, customers can choose how they would like their additional vSite2Site spoke licenses applied. For example, a customer can order an additional 10 vSite2Site spoke licenses and apply them all (10) to one appliance in the HA cluster or split them evenly (5/5) across the two appliances.



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VERSION: MAY-2017-REV-A