

A large, stylized white cloud graphic on a blue background, with a red horizontal bar at the top right.

# ASP CLOUD + vSG

PRODUCT DATA SHEET

ASP Cloud & vSG allow service providers to deliver fast and secure **user-aware services** to users in your network across multiple locations

# ANTlabs ASP CLOUD SOLUTION

ANTlabs suite of gateway and cloud solutions has always focused on delivering user-aware services. The fifth-generation suite provides expanding support to ANTLabs gateways (including the virtualized vSG) and other vendor's network devices like routers, gateways and wireless controllers to provide a uniform, consistent experience to the end-users. For IT Management, this means better control and visibility over more aspects of the network service and having the flexibility to customize the user experience according to local conditions.

## STANDARD FEATURES

### → Centralized Service Management Platform

- Integration to different network equipment
- WYSIWYG Portal Management / Customizable portal templates
- Multi-language support
- Providing consistent delivery of services and experience
- Pooling & sharing of licenses & modules across entire organization
- Policy Control (vSG/SG5 exclusive)
  - Service plans
  - Advanced bandwidth management
  - Auto-logout of inactive users, forced logout of users
  - Departed device detection and logout
  - Bandwidth rate limit: device / account
  - HTTP / HTTPS / IP walled garden
  - Email login reminder
  - Location / VLAN-based content delivery
  - Unique login pages for separate locations
  - Admin-assisted login
  - Easy account generation with account printer
- Zero-touch provisioning
- Cloud management

### → User-Aware Service Delivery

- BYOC (Bring your own content)
  - Personal Area Network
  - PMS Integration
  - Guaranteed streaming bandwidth
- Differentiated High Speed Internet Access
  - Guest Aware bandwidth optimization through advanced QoS
  - VIP recognition
- Malicious Content Filtering
  - Web filtering
- Seamless Re-login
  - Quick re-association to network
- Roaming Service
  - No login across sites
- Zero-configuration on end-user device

### → Gateways/APs Supported

- SG5 Express / SG5 Pro
- vSG Express / Pro
- Cloud Gateway supported AP & other gateway models:
  - > Ruckus
  - > Aruba
  - > Cisco Meraki
  - > Rujie
  - > Ubiquiti
  - > MikroTik

## → AAA (Authentication)

- Complimentary
- Global roaming
- 802.1x / Hotspot 2.0
- User form authentication
- Social WiFi
  - Facebook
  - Twitter
  - Google
  - Instagram
  - Line
  - WeChat
  - LinkedIn
  - Office 365
- QR code & boarding pass PNR integration\*
- RADIUS / WISPr

## → Security and Compliance

- Lawful Intercept
- Terms and Conditions
- General Data Protection Regulation (GDPR) compliant
- User data privacy protection
- Anti-SPAM / Anti-DOS (vSG/SG5)
- Stateful Firewall (vSG/SG5)
- Signature-based web filtering / Category blocking

## → Reliability

- High Availability
- Backup in the Cloud
- Faster service restoration time through seamless transfer of license across equipment

## → Engagement

- Time based banners / Promos
- Notification engine for sending alerts and messages\*\*

## → WiFi Monetization

- WiFi advertising
- Upsell services with different payment methods
- Credit card authentication & billing - WorldPay, Authorize.net, Payflow Pro, Payflow Link

## → User Identification & onboarding

- Multiple login methods (i.e., Complimentary, Pre-paid, etc.)
- Social media
- Radius / LDAP support
- Property Management System (PMS)
- Registration form

## → Network and User Visibility

- Reports
  - Transactions
  - Sessions
  - Authentication
- User Analytics
  - Usage
  - Device
  - Demographics
  - Interests
- Summary
  - Revenue
  - Authentication
  - License
- Graphs / Trends
  - System
  - Network
  - Login sessions

\* Inquire for more info

\*\* 2022 Roadmap

Deliver fast, secure, user-aware services to your guests with ASP Cloud + vSG

## SPECIFICATIONS / MODULES / ADD-ONS

\* Recommended hardware specifications serve as references for computing resources requirement only.

vSG Express Hardware	500 Users / 2 WAN	5K Users / 2 WAN
<b>CPU</b>	1 x Intel Celeron Processor J4125, 4M Cache, up to 2.70 GHz	1 x Intel Xeon E-2336 2.9GHz, 12M Cache, 6C/12T, Turbo (65W)
<b>Physical Memory</b>	10GB 2400MT/s	16GB 3200MT/s
<b>Memory assigned to VM</b>	4GB	8GB
<b>Disk</b>	1 x 1TB SATA	1 x 1TB SATA
<b>NIC</b>	6 x NIC ports	6 x NIC ports
<b>Raid Controller</b>	No	No

vSG Pro Hardware	500 Users / 2 WAN	5K Users / 2 WAN	10K Users / 8 WAN
<b>CPU</b>	1 x Intel Xeon E-2336 2.9GHz, 12M Cache, 6C/12T, Turbo (65W)	2 x Intel Xeon Silver 4309Y 2.8G, 8C/16T, 10.4GT/s, 12M Cache, Turbo, HT (105W) DDR4-2666	2 x Intel Xeon Silver 4309Y 2.8G, 8C/16T, 10.4GT/s, 12M Cache, Turbo, HT (105W) DDR4-2666
<b>Physical Memory</b>	16GB 3200MT/s	24GB 3200MT/s	24GB 3200MT/s
<b>Memory assigned to VM</b>	8GB	16GB	16GB
<b>Disk</b>	1 x 1TB SATA	4 x 600GB 15K RPM SAS 12Gbps	8 x 600GB 15K RPM SAS 12Gbps
<b>NIC</b>	6 x NIC ports	12 x NIC ports	12 x NIC ports
<b>Raid Controller</b>	Optional	Yes	Yes

vSG Pro Hardware	30K Users / 2 WAN	30K Users / 8 WAN
<b>CPU</b>	2 x Intel Xeon Silver 4309Y 2.8G, 8C/16T, 10.4GT/s, 12M Cache, Turbo, HT (105W) DDR4-2666	2 x Intel Xeon Gold 5315Y 3.2G, 8C/16T, 11.2GT/s, 12M Cache, Turbo, HT (140W) DDR4-2933
<b>Physical Memory</b>	24GB 3200MT/s	24GB 3200MT/s
<b>Memory assigned to VM</b>	16GB	16GB
<b>Disk</b>	8 x 600GB 15K RPM SAS 12Gbps	8 x 600GB 15K RPM SAS 12Gbps
<b>NIC</b>	12 x NIC ports	12 x NIC ports
<b>Raid Controller</b>	Yes	Yes

## SG 5 MODULES / SERVICES / ASP PLATFORM SUBSCRIPTIONS

SG 5 Modules - Express/Pro	Services	Platform
Payment	Web Filtering	Edge Connector
Property Management System	<ul style="list-style-type: none"> <li>Signature-based Web Filtering</li> <li>Malicious Content Filtering</li> </ul>	<ul style="list-style-type: none"> <li>ANTlabs Gateways</li> </ul>
Volume Control	HSIA-as-a-Service	Edge Connector - Others
Radius Support	<ul style="list-style-type: none"> <li>Fast deployment of WiFi hotspots across multiple locations</li> </ul>	<ul style="list-style-type: none"> <li>ANTlabs Cloud Gateway</li> <li>Other AP brands*</li> <li>Other gateway brands*</li> </ul>
Lawful Intercept	<ul style="list-style-type: none"> <li>Drag-and-drop portal design &amp; management</li> </ul>	Global Accounts
Advanced QoS	<ul style="list-style-type: none"> <li>WiFi monetization</li> </ul>	Cloud Backups
Multi-WAN		
Event Manager		
PAN / Casting		
AQoS Plus Application Traffic Shaping		

\*Inquire to see a separate list of supported brands and other equipment.

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