SANGFOR IAM
M5600-AC-I

As the leading vendor of Network Management, Sangfor IAM has been already listed in the SWG Gartner Magic Quadrant for 7 years in a row.

It has professional internet bandwidth management, application control, URL filter, traffic control, information control, illegal hotspot/proxy control, behaviour analysis, wireless network management and many other features, which can truly help you achieve a Unified Internet Behaviour Management of all clients in the entire network.

IAM-M5600 is the ideal network management solution for Medium Corporate Enterprises. IAM M5600 is also ideal for Medium - Large Branch Deployment.

Performance & Capacity

<table>
<thead>
<tr>
<th>Dimension</th>
<th>IAM M5600-AC-I</th>
</tr>
</thead>
<tbody>
<tr>
<td>Firewall Throughput</td>
<td>21 Gbps</td>
</tr>
<tr>
<td>Application Layer Throughput</td>
<td>12 Gbps</td>
</tr>
<tr>
<td>Recommended Concurrent Users</td>
<td>6,000</td>
</tr>
<tr>
<td>Concurrent Connections (TCP)</td>
<td>600,000</td>
</tr>
<tr>
<td>New Connections (TCP)</td>
<td>12,000</td>
</tr>
<tr>
<td>Redundancy Power Supply</td>
<td>Available</td>
</tr>
</tbody>
</table>

Hardware Specifications

<table>
<thead>
<tr>
<th>IAM M5600-AC-I</th>
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<tbody>
<tr>
<td>RAM</td>
</tr>
<tr>
<td>Storage HD Capacity</td>
</tr>
<tr>
<td>Power [Watt]</td>
</tr>
<tr>
<td>Operating Temperature</td>
</tr>
<tr>
<td>Humidity</td>
</tr>
<tr>
<td>System Weight</td>
</tr>
<tr>
<td>System Dimensions</td>
</tr>
</tbody>
</table>

Compliance

<table>
<thead>
<tr>
<th>IAM M5600-AC-I</th>
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<tbody>
<tr>
<td>Certifications</td>
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</table>

Network Interfaces

<table>
<thead>
<tr>
<th>IAM M5600-AC-I</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bypass (Copper)</td>
</tr>
<tr>
<td>10/100/1000 Base-T</td>
</tr>
<tr>
<td>SFP</td>
</tr>
<tr>
<td>10G Fiber SFP</td>
</tr>
<tr>
<td>Optional Interface &amp; 10G Fiber SFP*</td>
</tr>
<tr>
<td>Serial Port</td>
</tr>
<tr>
<td>USB Port</td>
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</tbody>
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Deployment Modes

Gateway Mode

It uses layer-3 switching mode so that all traffic is handled by Sangfor IAM to implement functions such as authentication, proxy server, traffic management, behaviors control, reporting and log audit of internal users. Sangfor IAM can help organizations improve the work productivity, make the internet bandwidth more efficient and reduce the overall TCO.

Bridge Mode

The bridge mode is useful for organizations that do not wish to modify the current network structure, router configuration or IP configuration. Sangfor IAM will help organizations improve the work productivity, make the internet bandwidth more efficient and let the traffic & user behavior become visible and controllable.

Bypass Mode

In this mode, Sangfor IAM connects to the mirrored port of the switch. In bypass mode, the existing network structure is not affected. This decreases the occurrence rate of single-point failure. Sangfor IAM will help to monitor and audit data traffic & user behavior on the LAN, as well as manage & control TCP behavior of users.

Single-Arm Mode

In Single-Arm mode, Sangfor IAM connects to a hub or switch to monitor and control the entire local network. The customer’s network does not need to be reconstructed. Sangfor IAM implements functions including but not limited to authentication, proxy server, traffic management, behavior control, reporting and log audit of internal users.

Authentication Mode

In the authentication mode, Sangfor IAM works as an authentication server, offering unified authentication management and the multiple authentication method such as SMS, WeChat and Facebook that can be achieved when using common WLAN service.
Unified Management of all Clients in the Entire Network
Sangfor IAM can effectively control both Wired and Wireless networks, achieving Unified Management of all clients in the entire network. Rich and flexible authentication methods, such as username/password, IP/MAC binding, etc., as well as value-added marketing authentication methods (QR code, SMS, WeChat, Facebook, Alipay, etc.) are available in Sangfor IAM. It can also control permissions based on user, application, location and client types.

Intelligent Control with Visibility of User Behavior & Traffic
Sangfor IAM is able to manage and control network applications & web browsing more conveniently and accurately. It has one of the largest application signature database and URL database, which are updated every 2 weeks. Its bulk management mode for large enterprises greatly improves the productivity and efficiency.

Simple & Intuitive Reporting for Simpler Network Management
SANGFOR IAM is built-in with an Advanced Report Center, which supports various customized reports based on traffic statistics, queries, ranking, times and behavior of user & user groups, helping enterprises analyze the root causes of all network issues. IT managers are provided with all the detailed information they need to know about their network, including Internet access activities, bandwidth consumption and viewed contents.

Business Intelligence
The Sangfor Business Intelligence platform is based on Hadoop and adapted to Mapreduce data process technology & NoSQL database to perform TB data query's in seconds and makes data processing more efficient and intelligent. Traffic identification distinguishes between user and machine traffic while the Graph Computing and Machine Learning performs modeling analysis of all traffic. Scenario based applications brings you the best ever operation experience.

User Authentication and Management
Mapping and identifying users | IP/MAC binding, hostname, USB Key, SMS, QR-Code, Portal, WeChat, Facebook, etc. | User accounts importing and synchronizing from LDAP, CAM3, etc. | SSO integration: AD/POP3/Proxy/RADIUS, 3rd party authentication device and DB Server.

Access Control
Application control | URL filtering | Search Engine Control | Enhanced Email/IM control | File filtering | SSL traffic control | Illegal Wi-Fi & proxy tools control.

Bandwidth Management
BM according to specific object/policy | International & Domestic BM | Bandwidth Guarantee & Limitation | Multi-level SON Channel | Dynamic BM | Virtual line | Multiplexing and intelligent routing.

Report Center
Report based on application traffic, user behavior, etc. | Graphical reports by counts, ranking, comparison, trends analysis with statistics, pie, bar, line chart, etc. | Real time report | Content log for IM chat records, emails, forum posts, etc. | Customized CIO report | Built-in internal and optional external report center | Export to CSV or PDF format.

Management & Deployment
Centralized management support | Proxy functions | HTTP/HTTPS Sockets 4/5, ICAP | HA support (A/A, A/P) | Hardware bypass | Deployment mode: Route, Bridge, Double Bridge, Bypass, Single-arm | Built-in Firewall | IPSec VPN.

Key Features
1. Unified Management of all Clients in the Entire Network
2. Intelligent Control with Visibility of User Behavior & Traffic
3. Simple & Intuitive Reporting for Simpler Network Management
4. Business Intelligence

Software Features
01. User Authentication and Management
02. Access Control
03. Bandwidth Management
04. Report Center
05. Management & Deployment

Hardware Description
1. Management Console
2. USB ports
3. Line Interface
4. LED Indicators
5. Fan Trays
6. Switch
7. Power Outlet

IAM M5600-AC-I Ordering Guide
For more information on Sangfor’s full range of support & services, please contact your local representative.

IAM M5600-AC-I Hardware and Basic Software (Mandatory)

IAM M5600-AC-I URL Database (Optional)
- M5600-AC-I, Sangfor IAM URL Database 1-Year License. Can be extended as needed.

IAM Anti-Virus Module (Optional)
- M5600-AC-I, Software, Enable Anti-Virus Module with 1-Year License. Can be extended as needed.

IAM Software Module, Permanent License
- IPSec VPN Remote Client, IPSec VPN Remote Client, 1 User Support SMS authentication (requires SMS Gateway or Modem)

IAM Care Services
- M5600-AC-I, IAM Software and Technical Support Service, IAM RTF, SDS, NBD and 24*7*4 Premium Hardware Service: 1 year, 2 years or 3 years options.

IAM Accessories
- 1) Authentication KEY, Access authentication KEY for user | 1 key
- 2) Data Center Authorization key, Authorization for data center access | 1 key
- 3) Free Audit KEY | 1 key
- 4) GSM/CDMA SMS Modem

Business Intelligence
- Sangfor Business Intelligence provides scenario-based analytics & applications including Electricity Waste Analytics, Event Analytics, Leased Line Analytics (Report Center, Bandwidth Analytics, Internet Access Analytics are built-in)
- 1000 endpoints license for BI.
- Software and Technical Support, BI and application upgrade, Sangfor IAM-BI, 1 year, 3 years, 5 years.