SANGFOR INTERNET ACCESS MANAGEMENT

Simplify User & Network Management

- ✓ *Comprehensive authentication methods with the most powerful bandwidth management.*
- ✓ *Personalized analytics reports to create business value from user online data.*
- ✓ *Rich value added services to transform IT department into a revenue generating center.*

SANGFOR

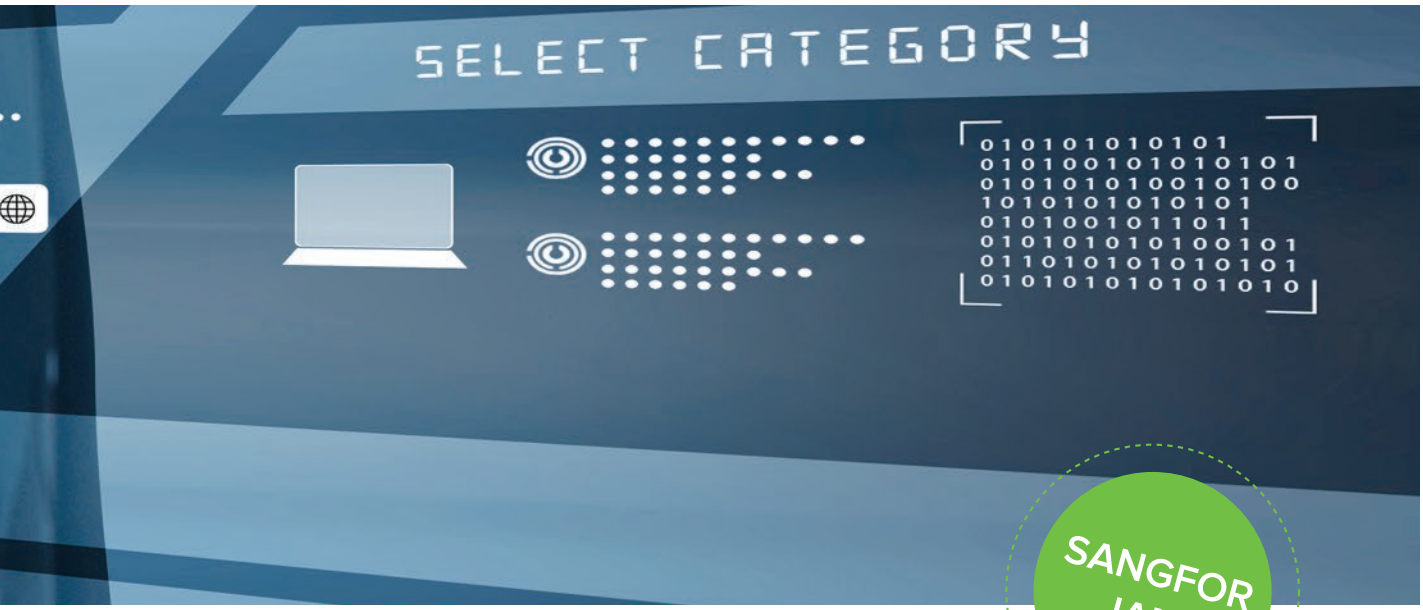
Sangfor
Internet Access Management Solution

Internet has become an increasingly vital platform for most businesses as an increasing number of business-critical applications are deployed over the Internet. However, with great opportunities come great challenges. Improving user experience & work efficiency, blocking illegal endpoints, reducing bandwidth consumption, guarding intellectual property rights, protecting against malware and implementing internet access compliance have become the primary challenges for IT managers, who are often seen as an expense rather than an investment.

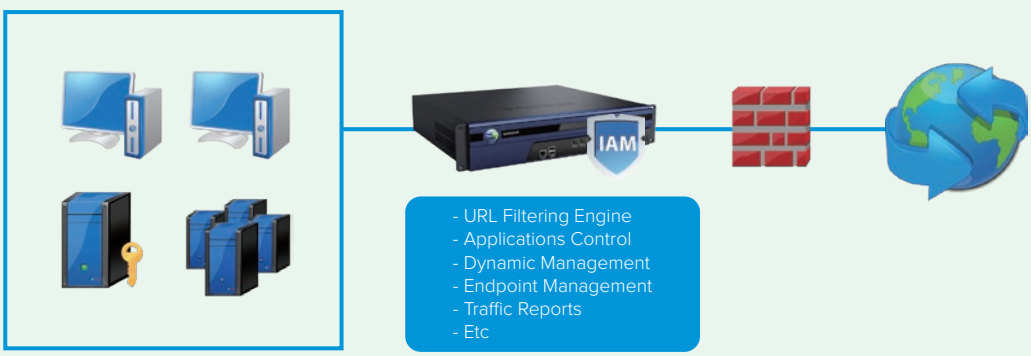
Moreover, with the rise of the BYOD (Bring Your Own Device) in the work environment, superior network management tools are needed more urgently than ever for overburdened IT departments.

SANGFOR Internet Access Management (IAM) is the ideal solution designed to tackle enterprise network challenges by offering simple and highly visible user & network management.

- Bandwidth Management
- Traffic Quota Support
- Proxy Server
- User Management
- Unified management for LAN+WLAN
- Multiple Authentication Methods
- IPv6 Support
- URL Filtering & APP Control
- Internet Traffic Reporting
- Anti-Proxy
- User Authentication
- Block & Detect illegal Wi-Fi
- Separate International & Domestic Bandwidth Mgmt.
- Built-in IPSec VPN Module



With SANGFOR IAM, both wired and wireless environments are coupled to ensure uniformity of management policies & present a comprehensive overview of all devices connected to the network. Through continuous market research and constant investment in R&D, Sangfor IAM also provides strong value-added features enabling you to maximize the potential of your wireless network. This allows you to better understand your user behaviour, facilitate user authentication and helps you generate increased revenue.



Simple & Intuitive Reporting

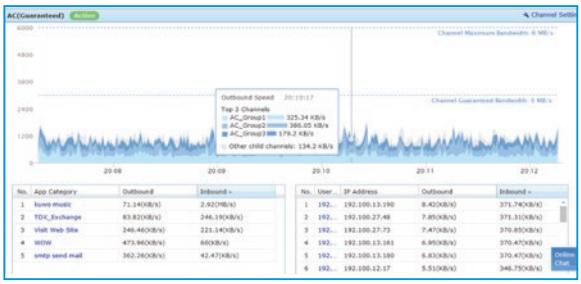
• Advanced Report Center: Accurate Traffic Reporting and Graphs
• Content Visibility and Auditing: Instant Messaging, Emails and Social Media

The old adage “You can't manage what you can't see” describes the challenges and risks of modern enterprise networks, making a comprehensive Report Center a critical component for IT departments to analyse network traffic. SANGFOR IAM includes an Advanced Report Center supporting numerous report customization options measuring traffic statistics, queries, ranking, times and behaviour of user & user groups, helping enterprises analyse the root causes of all network issues.

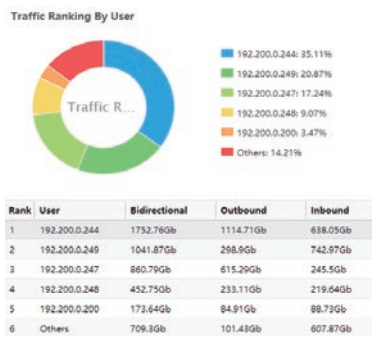
In addition, as information and data are becoming key business assets, enterprises are paying more attention to preventing potential information leakage and disruptive network activities. SANGFOR IAM boasts refined content auditing for common Instant Messaging

• Advanced Report Center

IAM Advanced Report Center records, audits and counts all network behaviour of intranet users in easy-to-read graphical reports. With reports, curves and statistics, IT managers are provided with all the detailed information they need about their network, including Internet access activities, bandwidth consumption and viewed content. Reports are self-generating and sent automatically & regularly to an appointed e-mail address to effectively assist in the network design, security and optimization of bandwidth usage.

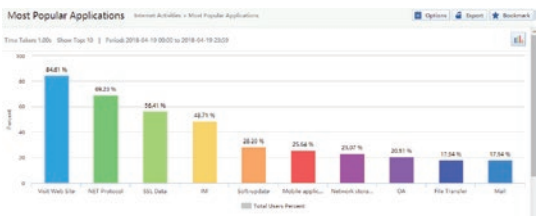


User Report



Rank	User	Bidirectional	Outbound	Inbound
1	192.200.0.244	1752.76Gb	1114.71Gb	638.05Gb
2	192.200.0.249	1041.87Gb	298.9Gb	742.97Gb
3	192.200.0.247	860.79Gb	615.29Gb	245.5Gb
4	192.200.0.248	452.75Gb	233.11Gb	219.64Gb
5	192.200.0.200	173.64Gb	84.91Gb	88.73Gb
6	Others	709.3Gb	101.43Gb	607.87Gb

Application Report



URL Report

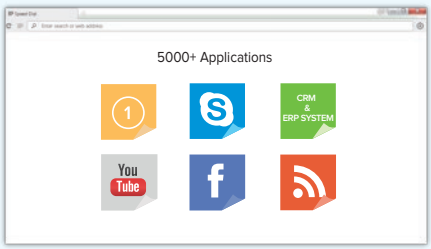
These graphics are available in the Control Panel of IAM.

BM & User Access Management

- Bandwidth Management: Guaranteed Bandwidth for Critical Applications
- User Access Management: Avoid Abuse by Restricting Access & Devices
- Application Control: Protect Enterprises Against Unauthorized Applications
- URL Filtering: Monitor & Control Evasive Activities
- Endpoint Control: Management of Mobile Devices & Tablets
- Illegal Wi-Fi Hotspot Detection: Block Phishing Wi-Fi to Avoid Data Leakage

To solve these common issues SANGFOR IAM employs a URL & application database, which helps IT administrators effectively control users online behaviour by setting specific policies. At the moment Sangfor IAM has more than 2900+ applications in its database including 220+ Cloud applications, 700+ Mobile applications and 300+ Web applications, with an R&D team dedicated to updating it every two weeks.
In addition, as the BYOD trend is becoming more and more popular, mobile devices should be also included in the enterprise network management policy. IAM can control mobile devices by identifying and applying specific access and control policies, according to the device OS, group and location, unifying both LAN and WAN management.

SANGFOR IAM also detects and blocks illegal Wi-Fi hotspots to avoid any information leakage from laptops, smartphones or tablets. A wireless endpoint list will display which endpoint is using an illegal Wi-Fi hotspot allowing the IT team to decide whether to block it or not.



Note: Data from October 2018

220+ Cloud Applications | 300+ WEB Applications

700+ Mobile APP | Sangfor 350+ IAM R&D Staff

- Authentication based on SMS, Portal, Social Media & QR Code
- Push Advertising based on SMS, Portal & Social Media
- Billing System to Generate Revenue for Internet Usage

Authentication & Push Advertising based on SMS

One of the quickest and most common way to collect customer information is by collecting phone numbers. When connecting to the Wi-Fi access point, the login page will ask the customer to insert a phone number to access the internet, allowing your business to send advertisements to your customers through SMS or phone call.

Authentication & Push Advertising based on Portal

Another common solution for collecting information is to redirect customers to a customized portal page after they have successfully connected to your Wi-Fi. This portal can be customized with any kind of information such as daily promotions, new products or services, etc.

Authentication & Push Advertising based on Social Media

Facebook, Line and WeChat are the fastest growing social media platforms in Asia. They can now be used as an authentication method for your Wi-Fi while simultaneously increasing your number of followers. More importantly, you can use push information to reach a larger potential customer base.

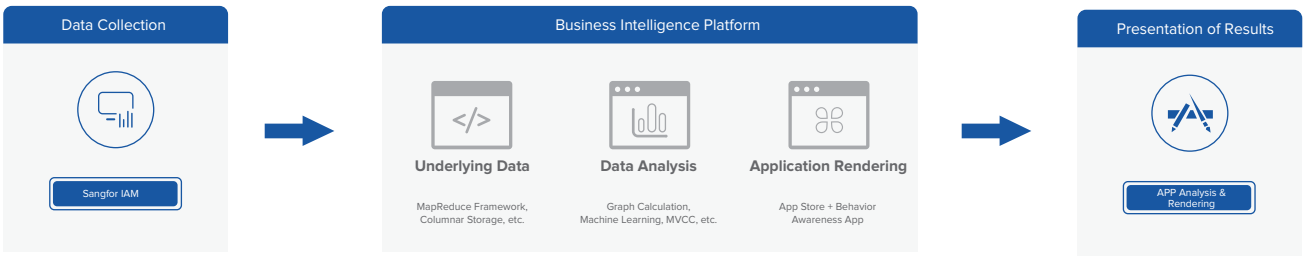
Authentication via QR Code

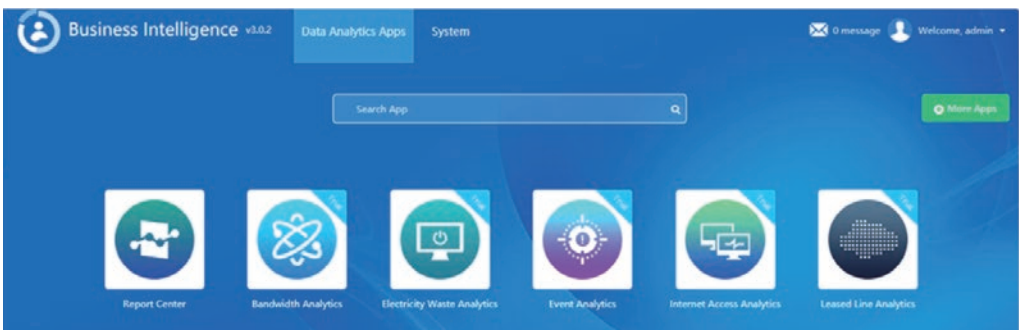
For companies receiving dozens of visitors per day, sharing the Wi-Fi password can become headache for the staff. With Sangfor IAM, you can create a QR code to allow your visitors to connect to the Wi-Fi simply by opening any QR code software and scan it. With this type of authentification, there is no need to change your Wi-Fi password every time and you can generate the QR Code according to each visitor group.

Business Intelligence Platform

The Look of Innovation

Sangfor Business Intelligence Platform (BI) is the newest major innovation within Sangfor IAM. It is based on IAM's massive internet log and conducts in-depth modelling analysis of user behaviour characteristics. It constantly utilizes behavioural awareness applications in different scenarios and continuously uncovers valuable data, helping organizations understand behaviour risk and simplify O&M.





Work Smarter, Not Harder

Report Center

The Professional Report center has never been more simple, comprehensive or responsive. With a single dashboard and step-by-step analysis, you can simply see your network from top to bottom. Through analysis of traffic, duration, applications and URL's you can easily see customized reports on keywords, uploads, email and application use. Finally, proactively monitor your network with monthly base reports in 10 seconds giving you the 20/20 hindsight you need to plan ahead.

Bandwidth Analysis

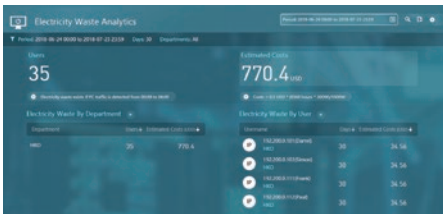
Give the people what they need! With Line Quality Analysis you can easily see what applications are utilizing the majority of your bandwidth and allocate or block bandwidth to individual applications with a single click.

Leased Line Analytics

It can provide a report on the quality of the leased line and help you with more informed decisions on when to expand the leased line bandwidth. It also provides visibility into the tunnel and the user to achieve awareness of the whole network.

Electricity Waste Analytics

We work 24/7 so you don't need too! When the lights go out at night and the last employee leaves the building, Off Hours PC Scan allows you to monitor any network users, heightening your network security while also reducing business cost by monitoring power consumption outside business hours.



Internet Access Analytics

Reduce your IT expenditure and make IT more valuable. See and control information and traffic for all branches with SANGFOR Overall Status Display. With easy to read reports on bandwidth and traffic distribution as well as efficiency-reducing applications and websites at all your branches and locations, simply point and click to optimize your bandwidth consumption and user experience.

Event Analytics

Customise your view and see what is most important to you! Automatically scan for specific keywords indicative of malware or abnormal user behaviour and be proactive in managing your potential risk.

Manage the SaaS Application in the Right Way

Discover ▸ **Manage** ▸ **Control** ▸ **Analyze**

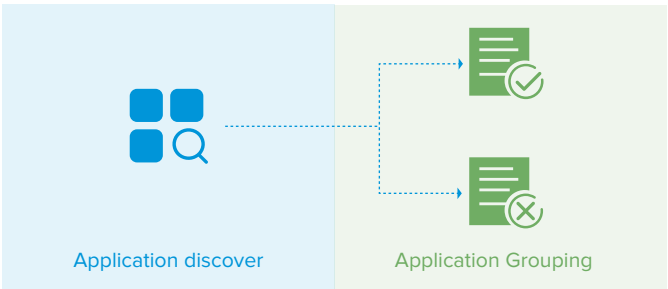
1. Discover Know the Risk

IAM with the built-in SaaS application database, identifies the most used applications, and also categorize them in group according to their security risks (sent emails, high bandwidth consumption, reduce of work efficiency, data leakage risk, etc.). The dashboard directly shows the applications and how much data had been used and how much files are transferred, making the IT administrators have a clear understanding of the applications in the network.

Applications | Users — App Catego

No.	Name	App Category	Tags	Sanction Status	Outgoing Files	Outbound(Bytes)	Inbound(Bytes)	Users
1	QQ Mail[brow...	Mail		New	4	31.89 KB	8.12 KB	1
2	Google Drive ...	Network storage	Disclosure Risk	New	0	2.24 MB	16.61 MB	15
3	NetEase_Mail...	Mail	Reduce the Efficiency of Work	New	0	1.05 MB	3.51 MB	1
4	Baidu Wangpa...	Network storage		New	0	721.42 KB	3.27 MB	5
5	Baidu_Wenku[...	Network storage	Reduce the Efficiency of Work	New	0	707.45 KB	2.09 MB	1
6	QQ Mail-Base	Mail	Reduce the Efficiency of Work	New	0	502.84 KB	441.16 KB	4
7	Baidu Wangpa...	Network storage		New	0	464.88 KB	1.4 MB	2
8	Sina_Mail_Base	Mail	Reduce the Efficiency of Work	New	0	113.78 KB	1.07 MB	1
9	Google Hango...	IM	Reduce the Efficiency of Work	New	0	105.82 KB	2.26 MB	9
10	Baidu Wangpa...	Network storage	Disclosure Risk	New	0	21.92 KB	44.07 KB	1
11	Baidu Wangpa...	Network storage	Reduce the Efficiency of Work	New	0	8.8 KB	1.88 KB	4
12	GitHub_Client	Network storage		New	0	5.33 KB	19.97 KB	1
13	Dropbox	Network storage	Disclosure Risk	New	0	4.52 KB	13.52 KB	1
14	Sohu Mail[sen...	Mail	Send Email	New	0	3.45 KB	2.21 KB	1
15	NetEase Mail[...	Mail		New	0	587 B	585 B	1

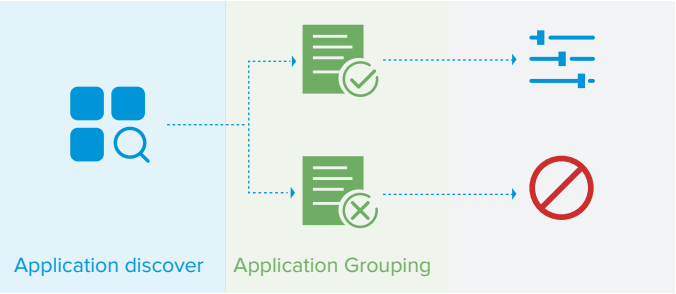
2. Grouping – Manage the Applications



- **Sanctioned–** These applications provide IT teams with security guarantee and are allowed to be used by the user.
- **Unsanctioned–** These applications are potentially dangerous and the IT administrators do not want users to use them due to security risk and data leakage risk.

The sanction status makes it easier for managing the applications in a proper way. Sanctioned applications are the ones known and approved by the IT administrators, while the unsanctioned one are not known but may be used by the user, which may affect the user experience when all of them are blocked, or the ones that need to be monitored for a while.

3. Control the Risk



- **Control Policy–** Setup control policy over the applications.
- **Block–** These applications have been used in the network.

Sangfor IAM provides a granular control over the applications identified, together with the bandwidth control capabilities, providing much higher work productivity.

Create a space for work

The search engine is convenient to find the information you need, but it will also come out with inappropriate contents. Sangfor IAM can set Google, Bing and YouTube into default safe search mode, blocking inappropriate content that could affect the organization reputation.

Improve work productivity

The SaaS application brings convenience but also bring troubles. It allows user to access work resources freely but also entertainment resources. IAM can improve the user productivity by allowing user to only access specified work resources, such as the YouTube channel intended for organization training, access Facebook company page for work purpose only, and block all other Facebook content.

Centralized Management Center

Control Any Device - Anywhere

Success used to have its price, but now it doesn't! The issue of centralization and unification has become common as businesses expand and open new branches. In the past, various branches were individually responsible for management of their wired and wireless authentication, WIFI network and control policies.

User experience varied from branch to branch and WIFI connectivity did not roam with the user. SANGFOR IAM now provides centralized management capabilities which allow policies, restrictions and control to be exercised from a central platform, reducing operating costs and simplifying the IT management process. With the Centralized Management Control (CMC) system user experience is also improved by allowing roaming WIFI connectivity and unifying the information visible on each branch platform.

Smart Billing Solution

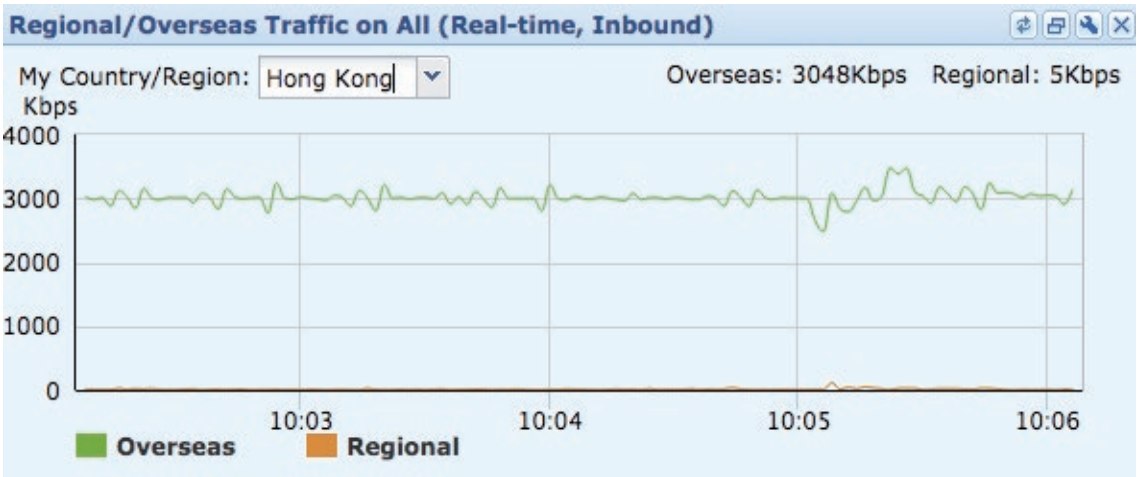
IT departments are often equated with resource consumption, no value generated and low priority amongst all business departments. The IT department traditionally has high operational cost (DC, Infrastructure, Security, Maintenance, etc.) with a minimal budget. The IT business model needs a facelift by providing a new source of income to meet the higher budgetary requirements of the IT industry.

IAM Smart Billing System provides you a new source of income and simultaneously improves the user bandwidth experience.

Advanced Bandwidth Management

Separate Management of International & Domestic Bandwidth

As businesses cross borders IT needs to be aware of usage patterns, bandwidth needs, potential risks and differing costs and challenges associated with individual international locations. With Sangfor IAM, you can separate the bandwidth management for international and domestic internet access. This is especially important in countries where different fees for bandwidth usage apply but also improves international user experience and reduces risk of network security issues stemming from international locations by allowing full visibility and control of both domestic and international network traffic.



SANGFOR IAM Product Family

Model	S5000-AC-I	M5000-AC-I-S	M5100-AC-I-S	M5200-AC-I	M5400-AC-I	M5500-AC-I	M5600-AC-I[2]	M6000-AC-I[2]	M6000-UPG[3]	M9000-AC-I[2]	M10000-AC-I[2]	M12000-AC-I[2]
Profile	Desktop	1U	1U	1U	1U	2U	2U	2U	2U	2U	2U	2U
HD Capacity	64G SSD	128G SSD	128G SSD	1TB	1TB	1TB	1TB	1TB	1TB	1TB 64G SSD	1TB 64G SSD	1TB 64G SSD
Application Layer Throughput Options[1]	40 Mbps	80 Mbps	160 Mbps	400 Mbps	600 Mbps	1 Gbps	1.2 Gbps	2 Gbps	4 Gbps	10 Gbps	20 Gbps	40 Gbps
Recommended Concurrent Users	50 PCs~ 100 Mob	100 PCs~ 100 Mob	600	2000	3000	5000	6000	15000	20000	50000	100000	200000

[1] Represents the maximum bidirectional flow (max. inbound + outbound flow).

[2] Additional models are available for hardware based SSL decryption.

[3] M6000-UPG is a license upgrade from M6000 with application layer bandwidth increased from 1G to 2G.

Power and Physical Specifications

Model	S5000-AC-I	M5000-AC-I-S	M5100-AC-I-S	M5200-AC-I	M5400-AC-I	M5500-AC-I	M5600-AC-I[2]	M6000-AC-I[2]	M6000-UPG[3]	M9000-AC-I[2]	M10000-AC-I[2]	M12000-AC-I[2]
Support Dual Power Supplies	N/A	N/A	N/A	N/A	N/A	YES	YES	YES	YES	YES	YES	YES
Power [Watt] (Typical)	60W	60W	60W	60W	250W	250W	300W	300W	300W	460W	460W	860W
Working Temperature	0℃~40℃	0℃~40℃	0℃~40℃	0℃~40℃	0℃~40℃	0℃~40℃	0℃~40℃	0℃~40℃	0℃~40℃	0℃~40℃	0℃~40℃	0℃~40℃
System Dimensions (W x L x H in mm)	275 x 175 x 44.5	430 x 300 x 44.5	430 x 300 x 44.5	430 x 375 x 44.5	430 x 400 x 44.5	440 x 600 x 89	440 x 600 x 89	440 x 600 x 89	440 x 600 x 89	440 x 600 x 89	440 x 600 x 89	440 x 600 x 89
System Weight	1.7Kg	3.85Kg	4.2Kg	5.22Kg	6.65Kg	15.3Kg	15.3Kg	20.0Kg	20.0Kg	20.0Kg	20.0Kg	20.0Kg
Relative Humidity	5%~95% non-condensing											

Network Interfaces

Model	S5000-AC-I	M5000-AC-I-S	M5100-AC-I-S	M5200-AC-I	M5400-AC-I	M5500-AC-I	M5600-AC-I[2]	M6000-AC-I[2]	M6000-UPG[3]	M9000-AC-I[2]	M10000-AC-I[2]	M12000-AC-I[2]
Bypass (copper)	N/A	1 pair	1 pair	3 pair	3 pairs	3 pairs	3 pairs	2 pairs	2 pairs	2 pairs	2 pairs	2 pairs
10/100/1000 Base-T	3	4	4	6	6	6	6	4	4	4	4	4
1G SFP	N/A	N/A	N/A	N/A	N/A	2	4	4	4	4	4	4
10GbE SFP+	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2	2	4
Serial Port	RJ45x1	RJ45x1	RJ45x1	RJ45x1	RJ45x1	RJ45x1	RJ45x1	RJ45x1	RJ45x1	RJ45x1	RJ45x1	RJ45x1
USB Port	2	2	2	2	2	2	2	2	2	2	2	2

Compliance and Certificates

Compliance	CE,FCC, IPv6 Ready

- Products specifications described herein are subject to change without prior notification.
- All performance values are “up to” and vary depending on the system configuration.
- * For any port customization, please contact your Sangfor sales representative.

vIAM

SANGFOR Virtual IAM (VMware & Sangfor HCI Platforms)

Model[2]	vIAM-50 vmIAM-50	vIAM-100 vmIAM-100	vIAM-200 vmIAM-200	vIAM-300 vmIAM-300	vIAM-700 vmIAM-700	vIAM-1000 vmIAM-1000	vIAM-2000
FW Throughput Options[1]	200 Mbps	500 Mbps	1 Gbps	1.4 Gbps	2.1 Gbps	3.0 Gbps	5.0 Gbps
Application Layer Throughput Options[1]	100 Mbps	200 Mbps	400 Mbps	600 Mbps	1.4 Gbps	2 Gbps	4 Gbps
Recommended Concurrent Users	500	1000	3000	5000	7000	10000	20000

[1]: Represents the maximum bidirectional flow (max. inbound + outbound flow).

[2]: vIAM = Virtual IAM based on Sangfor HCI
vmIAM = Virtual IAM based on VMware ESXi

System Requirements

vIAM & vmIAM System Requirements	vIAM-50 vmIAM-50	vIAM-100 vmIAM-100	vIAM-200 vmIAM-200
Virtualization Platform	Sangfor HCI/ VMWare ESXi	Sangfor HCI/ VMWare ESXi	Sangfor HCI/ VMWare ESXi
CPU	Min. 1 Virtual Core	Min. 1 Virtual Core	Min. 2 Virtual Cores
Memory	2GB	2GB	4GB
Disk Space	80GB	80GB	80GB

vIAM & vmIAM System Requirements	vIAM-300 vmIAM-300	vIAM-700 vmIAM-700	vIAM-1000, vIAM2000 vmIAM-1000
Virtualization Platform	Sangfor HCI/ VMWare ESXi	Sangfor HCI/ VMWare ESXi	Sangfor HCI/ VMWare ESXi
CPU	Min. 2 Virtual Cores	Min. 4 Virtual Cores	Min. 8 Virtual Cores
Memory	4GB	8GB	16GB
Disk Space	80GB	80GB	80GB

**SANGFOR IAM can co-exist alongside another internet security system or any other Sangfor solutions.*

SANGFOR IAM Product Features

User Authentication and Management	
Mapping and Identifying Users	IP, MAC, IP/MAC binding, hostname, USB Key, SMS, QR-Code, Portal, WeChat, Facebook, Line, Gmail, Twitter.
User Accounts Importing	- Import user accounts information using CSV file, LDAP Server. - Synchronize user with LDAP, Database and H3C CAMS Server.
Integration and SSO Option	Active Directory/POP3/Proxy/Web Server, Radius, Third-party authentication device, Database Server.
New User Management	- Automatically map new user to its privileged groups in local database based on its IP range, subnet or external authentication server group. - Automatically map new users to a pre-defined privileged group as temporary accounts.
Account Attribution	Public (Share user login)/ Private (Single user login) account option.
WLAN Auth. Integration	Aruba, Ruckus, Cisco, etc.
Access Control	
Application Control	Identify and control applications through application DB or port.
URL Filter	URL DB, keyword in web-page based control.
Search Engine Control	Managed by keywords.
Enhanced Email Control	Managed by source address, destination address, keywords in email, keywords in body/title, attachment, type/size/count based control.
Enhanced IM Control	Comprehensive management to IM tools such as MSN, Yahoo!, as well as encrypted IM such as Skype, Gtalk, MSNShell, etc.
File Filter	Control HTTP, FTP upload and download activity based on true file type.
SSL Traffic Control	Certificate, text content based control and filter.
Illegal Wi-Fi Detection and Blocking	
Illegal Wi-Fi Detection and Blocking	Detect the endpoint information from every IP address.
Bandwidth Management (BM)	
BM Policy	Traffic guarantee/limit policy for uplink and/or downlink base on bandwidth percentage of the pipe, max bandwidth per user, user/application priority, exclusion policy.
BM Objects	Application type, website type, file type, user, schedule, destination IP, etc.
Separate BM Management	For International & Domestic Traffic.
Bandwidth Guarantee & Limitation	Allocate bandwidth resource according to business type & guarantee bandwidth for core business applications and restrict irrelevant traffic.
Multi-level SON Channel	Match the organizational structure to achieve finegrained bandwidth management.
Dynamic Bandwidth Management	- "Bandwidth Borrowing" among BM tunnel for full bandwidth utilization. Specify a network flow thresholds as effective points of BM policy. - BM based on public IP (oversea). - Average allocation/free competition among users in a single traffic pipe.
Virtual Line	Manage and control to each physical line independently and effectively bridge mode.
Multiplexing and Intelligent Routing	Provide link load balancing in router mode.
Traffic Identification and Categorization	
Sangfor URL Database	- Leverage on-the-cloud infrastructure, dynamically categorizes millions URLs into the predefine categories. - Support configurable in-box cache footprint.
Application Database	Independent Internet application signatures database.
Intelligent Identification Rules	Identify P2P/Proxy tools/VOIP/SSL traffic intelligently through dynamic flow characteristics analysis.
File Type Identification	- By extension name. - By file type (data pattern).
Value-Added Services	
Smart Billing	Granular traffic billing based on every required application.
Big Data Mining	Record of online behavior data record, data modeling analysis and analytics report.

Report Center	
Report Objects	Application flow, user behavior counts, online duration per user & per application, virus and security, keywords, etc.
Graphical Reports	Counts, ranking, comparison, trends analysis with statistics, pie, bar, line chart, etc.
Real-Time Report	Real-time monitor of CPU/hard disk/traffic/connection/session status, online user information, traffic ranking, connection ranking, real-time utilization, visibility of bandwidth channels.
Content Log	Content log including IM chat (Gtalk, Skype, QQ, MSN, Yahoo! Messenger, etc.), SMTP and Web mail content and attachment (Gmail, Yahoo, etc.), BBS posts (Facebook, Twitter), etc.
Customizable Risk Report	Employee turnover trend, disclosure, work efficiency, security risks and other risk reports.
CIO Report	Tailored reports of overall network analysis and risk management for CIO.
Web-Access Connection Quality Report	Used for clear evaluation of the overall network quality. Users with poor web access quality can be listed down.
Report Format	CSV, PDF.
Report Center Storage	Built-in internal report center and optional external report center.
External Reports Storage Security	- Option to protect the report center by using external authentication key for additional security. - "Google Like" search engine GUI for external report center. - Email subscription.
Control Tools for Manageability	
Notification (Reminder)	Notify end user for online time of specific application and the flow speed of specific application.
Flow/Duration Control	Daily/Monthly flow quota per user. Daily online duration quota per user with exception case based on specific application. Concurrent session quota per user.
Endpoint security compliance	Operation system, process, registry, scheduled task, etc.
Audit-Free Key	Prevents access audits and control for users that assigned with audit-free keys.
Hierarchical Administration	Functionality of different modules can be assigned to different administrators as needed, via a hierarchical management paradigm. Administration of different functions and modules can be delegated to different administrative groups.
Network & Deployment	
Centralized Management	Unified the configuration and policy for multiple devices, remote control and monitor running status.
LAN+WLAN Management	Set special control policy for mobile user based on user & location. Suitable for BYOD office environment.
Security modules	- Built-in IPsec VPN. - IPSec Protocol: AH, ESP. - D-H Group: MODP768 Group (1), MODP1024 Group (2), MODP1536 Group (5). - IPSec Authentication Algorithm: MD5, SHA-1, SM3. - IPSec Encryption Algorithm: DES, 3DES, AES-128, AES-256, SANGFOR-DES, SCB2, SM4.
Proxy Functions	Support explicit Proxy, including HTTP/HTTPS two-level Proxy, Sock4/Sock5 Proxy, Forwarding Proxy function and support ICAP protocol.
Deployment	Route, Bridge, Double Bridge, Bypass, Single-arm.
Stability	Hardware bypass, A/A,A/P.
IPv6	- Support deployment in IPv6 environment & monitoring of IPv6 traffic.
Integrity	Support SNMP.
Proxy	
Proxy Service	HTTP Proxy / SOCKS4 / SOCKS5 / PAC SCRIPT.
Policies	Enables customers controller proxy data security.
ICAP	Serve the customers in financial field to achieve data disclosure prevention purpose.
Business Intelligence	
Self-Customized Application	Be aware of trends and incidents using keyword related searches to monitor traffic in real-time.
Bandwidth Analysis	Monitor bandwidth status, availability and top bandwidth consuming applications to provide better user experience.
Overall Status Display	Identify threats quickly and easily through combined IAM and NGAF logs.
Leased Line Quality Analytics	Understand the load and real-time status of traffic by collectivly analysing user trends and application use.
Off Hours PC Scan	Monitor PC usage outside business hours.

COMPANY PROFILE

Sangfor Technologies is a leading global vendor of IT infrastructure solutions, specializing in Cloud Computing & Network Security with a wide range of products & services including: Hyper-Converged Infrastructure, Virtual Desktop Infrastructure, Next Generation Firewall, Internet Access Management, Endpoint Protection, Ransomware Protection, Managed Detection and Response, WAN Optimization, SD-WAN and many others.

Sangfor takes customers' business needs and user experience seriously, placing them at the heart of our corporate strategy. Constant innovation and commitment to creating value for our customers helps them achieve sustainable growth. Established in 2000, Sangfor currently has 5,000 + employees with more than 60 branch offices globally in exciting locations like Hong Kong, Malaysia, Thailand, Indonesia, Singapore, Philippines, Vietnam, Myanmar, Pakistan, UAE, Italy and the USA.

CONTINUOUS INNOVATION & EXCELLENT SERVICE

Sangfor invests at least 20% of its yearly revenue in R&D, improving current products and developing new solutions in their four R&D centers in the USA & China. So far, Sangfor has applied for more than 1,000 patents with more patent applications scheduled for 2020. This dedication to innovation enables Sangfor to release new and updated versions of products every quarter and launch new products yearly or bi-yearly.

Sangfor also emphasizes excellent service. With three Customer Service Centers in Malaysia & China, Sangfor's total customer service capacity exceeds 250 technicians and providers.

With thousands of certified engineers and 24x7 online support 365 days a year, Sangfor customers enjoy fast and personalized on-site service support.

At present, Sangfor has more than 100,000 customers worldwide, many of them Fortune 500 companies, governmental institutions, universities and schools.

AWARDS & ACHIEVEMENTS

- "Technology Fast 500 Asia Pacific Region" Award for 8 consecutive years from 2005 to 2012 by Deloitte
- Sangfor SSL VPN No. 1 in Network Security market in China, Hong Kong & Taiwan according to F&S
- No. 1 for Secure Content Management Hardware and VPN Hardware segment in China according to IDC
- Sangfor NGAF WAF recommended by NSS labs (2014)
- "Most Promising Network Security Solution" in June 2016 by Singapore NetworkWorld Asia
- "Readers Choice Awards for Enterprise Security" in October 2016 by Computerworld Malaysia
- Member of various technology alliances including VirusTotal
- "Next Gen" Award for Sangfor Endpoint Secure by Cyber Defense Magazine (2019)
- SAP Certified for Cloud and Infrastructure Operations and SAP HANA Operations (2019)
- ICSA Labs certification for Sangfor Next Generation Firewall (2020)

Gartner Magic Quadrant

SSL VPN	SWG	WOC
2010-2011	2011-2019	2013-2016

NGFW	X86 Server	HCI
2015-2019	2016	2019

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AVAILABLE SOLUTIONS

IAM	Simplify User & Network Management
NGAF	Smarter Security Powered By AI
Endpoint Secure	The Future of Endpoint Security
Cyber Command	Powerful Intelligent Threat and Detection Platform
SD-WAN	Boost Your Branch Business With Sangfor
WANO	Enjoy a LAN Speed on your WAN
HCI	Driving Hyperconvergence to Fully Converged
aCLOUD	Enterprise Cloud Built on HCI
VDI	Ultimate User Experience that Beats PC
aBOS	The World First NFV Converged Gateway
CM	Centralized Management Platform

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