



SANGFOR® WAN Optimization Product Features

Function	Description
High speed	
Transmission protocol optimization	Adaptive TCP proxy and HTP transmission protocol in high-latency, high-packet-loss network environments
Byte-caching technology	Supports multi-disk, bi-directional and fragment-packet acceleration
Application proxy	Supports proxy for TCP, CIFS, HTTP, HTTPS, FTP, POP3/SMTP and MAPI protocols; supports acceleration of Web, HTTPS, FTP, Network Neighborhood, Lotus Notes, Exchange, SAP(B/S), sharepoint, Oracle Database and other applications
compression algorithm	Provides hardware-based GZIP and LZO high-speed stream compression algorithm
WebPush technologies	Via WebPush function, conducts intelligent analysis of HTML request pages, to self-define settings for pre-fetching cache elements, and to improve Web application's accessing speed
Flash-link	Flash link technology (improve data transmission speed) and addresses effects of high-packet-loss
Intelligent QoS function	Sets QoS policy based on application, direction, source address, destination address and effective time, and supports QoS allocation based on lines
Bandwidth management	Integrated with SANGFOR IAM bandwidth management feature: application identification, traffic shaping, etc.

Security

VPN module	Built-in IPSec VPN module
Portable Accelerator	Supports acceleration effects via installation of PACC software on client Pcs
Bypass	Supports hardware Bypass (Optional for low-end equipment)

Function	Description
Usability	
Tunnel encryption	Built-in AES 128-bit encryption algorithm; enhance other encryption algorithms, guaranteeing data security
Data integrity	Uses MD5 and SHA algorithms to guarantee data integrity
Enterprise level firewall	Built-in Stateful Packet Inspection enterprise-level firewall provides packet filtering, URL filtering, access monitoring, DHCP services and other security functions
External and internal DOS attack resistance	Effectively prevents internal and external and internal DOS attack
Scalability	
Configuration	Supports SNMP, the standard network administration protocol; Configuration wizards speed up user deployment ; Auto identification of protocols based on contents, simplifying application acceleration configuration
Management authorization	Functionality managed via various levels of access privileges, including Administrators and Users
Logging and reporting	Provides visibility into a wide range of system information, including logs for alarms, errors and debugging. Allows use of stand-alone log servers, examination of real-time and historical traffic, analysis of accelerated and non-accelerated traffic and sessions, and report generation and export
Backup function	Data resilience via local and remote backup and recovery; Logs are backed up as files
Transparent acceleration	Restoring the original connection information after acceleration
Easy deployment	Supports import of WCCP V2 traffic, supports import of strategy routing PBR traffics, support CDP, and supports import of four-layer switch traffic; Default two directions acceleration on the whole network segment

SANGFOR® WAN Optimization Product Family

Model Specifications

Model	Profile	Single HD capacity	RAM	Optimized bandwidth (couple sites)	Optimized bandwidth (multi sites)	Max Traffic shaping bandwidth	Optimized TCP connection (couple sites)	Optimized TCP connection (multi sites)	Optimized sites or mobiles
S5000-L	1U	160GB	512M	6 Mbps	6 Mbps	20 Mbps	100	100	2
S5000-H	1U	160GB	512M	6 Mbps	6 Mbps	20 Mbps	300	300	2
M5000	1U	160GB	512M	15 Mbps	15 Mbps	45 Mbps	1,500	1,500	10
M5100	1U	160GB	1G	25 Mbps	25 Mbps	55 Mbps	3,000	3,000	32
M5400	1U	160GB	2G	45 Mbps	60 Mbps	85 Mbps	5,000	5,000	100
M5500	2U	500GB	4G	50 Mbps	60 Mbps	105 Mbps	5,000	5,000	300
M5600	2U	500GB	4G	70 Mbps	80 Mbps	90 Mbps	8,000	8,000	500
M5800	2U	500GB	4G	80 Mbps	100 Mbps	112 Mbps	8,000	8,000	500
M5900	2U	500GB	8G	100 Mbps	150 Mbps	400 Mbps	8,000	15,000	1,000

Power and Physical Specifications

Model	Dual power supplies	Rated Power	Temperature	Relative Humidity	System Dimensions (W×L×H)	System Weight
S5000-L	N/A	60W	-10~50℃	5%~95% non-condensing	44×30×5 cm3	4.0 Kg
S5000-H	N/A	60W	-10~50℃	5%~95% non-condensing	44×30×5 cm3	4.0 Kg
M5000	N/A	60W	-10~50℃	5%~95% non-condensing	44×30×5 cm3	4.0 Kg
M5100	N/A	60W	-10~50℃	5%~95% non-condensing	43×30×5 cm3	4.0 Kg
M5400	N/A	200W	-10~50℃	5%~95% non-condensing	44×37×5 cm3	6.5 Kg
M5500	N/A	250W	-10~50℃	5%~95% non-condensing	44×50×9 cm3	11.0 Kg
M5600	✓	400W	-10~50℃	5%~95% non-condensing	44×43×9 cm3	17.0 Kg
M5800	✓	460W	-10~50℃	5%~95% non-condensing	44×43×9 cm3	17.0 Kg
M5900	✓	460W	-10~50℃	5%~95% non-condensing	44×62×9 cm3	18.0 Kg

Network Interfaces

Model	Hardware Bypass (copper)	10/100 Base-T			10/100/1000 Base-T			Other Interfaces		
		WAN	LAN	DMZ	WAN	LAN	DMZ	SFP	Serial Port	USB
S5000-L	1 pair	N/A	N/A	N/A	2	1	1	N/A	RJ45×1	2
S5000-H	1 pair	N/A	N/A	N/A	2	1	1	N/A	RJ45×1	2
M5000	1 pair	N/A	N/A	N/A	2	1	1	N/A	RJ45×1	2
M5100	1 pair	N/A	N/A	N/A	2	1	1	N/A	RJ45×1	2
M5400	1 pair	N/A	N/A	N/A	4	1	1	N/A	RJ45×2	3
M5500	1 pair	N/A	N/A	N/A	4	1	1	2	RJ45×2	0
M5600	3 pair	N/A	N/A	N/A	4	1	1	4	RJ45×1	1
M5800	3 pair	N/A	N/A	N/A	4	1	1	4	RJ45×1	1
M5900	2 pair	N/A	N/A	N/A	2	1	1	4	RJ45×1	2

Mobile Client Requirement

WANO Mobile System Requirements		WANO Mobile Software Specification	
Operating System	Windows 2000, XP, 2003, vista, win7(32bit)	Concurrent Clients per WACC	1~1000
CPU:Celeron	1.5GHZ	VPN Compatibility	Cisco, Juniper, Nortel, Microsoft, Open VPN
Memory	256M		
Disk Space	2GB		