

Technical specification of Ingate Firewall models

Feature	Ingate Firewall S900	Ingate Firewall 1200	Ingate Firewall 1400	Ingate Firewall 1800	Ingate Firewall 1880
Processor	ARM9	VIA C3, 533	Celeron 566	Athlon XP2200 1.8 GHz	Intel Xeon 3.06 GHz
Operating system	VXWorks	Adjusted Linux	Adjusted Linux	Adjusted Linux	Adjusted Linux
Interfaces (10/100 Mbit/s)	2	2	4	4-8	4-16
Interfaces (1 Gbit/s)	No	No	No	0-1	0-2
Throughput (Mbit/s)	10.5	60	150	400	800
Dimensions wxhxd (mm, inch)	180x25x130, 8.66x1.75x10	220x44x254, 8.66x1.75x10	432x44x254, 19x1.75x10	483x177x460, 19x7x18	483x177x460, 19x7x18
Environment, op (temp, humidity)	5-45 °C, 5-95 %	5-45 °C, 5-95 %	5-45 °C, 20-90 %	5-45 °C, 20-90 %	5-45 °C, 20-90 %
Environment, storage (temp, humidity)	5-70 °C, 5-95 %	5-70 °C, 5-95 %	0-70 °C, 5-95 %	0-70 °C, 5-95 %	0-70 °C, 5-95 %
Power consumption (W)		16	45	140	170
Certifications	CE, FCC, UL	CE, FCC, UL	CE, FCC, UL	CE, FCC, UL	CE, FCC, UL
Management					
Automatic check for new release	Manual	Yes	Yes	Yes	Yes
Web GUI	Yes	Yes	Yes	Yes	Yes
SNMP	No	Yes	Yes	Yes	Yes
Mass configuration option	No	Planned	Planned	Planned	Planned
Internal log to HD	No	No	Yes	Yes	Yes
syslog	Yes	Yes	Yes	Yes	Yes
E-mail events	Yes	Yes	Yes	Yes	Yes

Feature	Ingate Firewall S900	Ingate Firewall 1200	Ingate Firewall 1400	Ingate Firewall 1800	Ingate Firewall 1880
Secure VPN management	No	Yes	Yes	Yes	Yes
Firewall Functionality					
Stateful inspection	Yes	Yes	Yes	Yes	Yes
Packet filtering	Yes	Yes	Yes	Yes	Yes
DHCP Proxy	No	Yes	Yes	Yes	Yes
DHCP Client	Yes	Yes	Yes	Yes	Yes
Proxies for TCP, UDP and FTP	Yes	Yes	Yes	Yes	Yes
Transparent Mode	Yes	Yes	Yes	Yes	Yes
Network Address Translation (NAT)	Yes	Yes	Yes	Yes	Yes
Port Address Translation (PAT)	Yes	Yes	Yes	Yes	Yes
Predefined Services	Yes	Yes	Yes	Yes	Yes
Customizable Services	Yes	Yes	Yes	Yes	Yes
QoS (bandwidth limitation and priority) ⁰	No	Yes	Yes	Yes	Yes
Authentication	No	RADIUS	RADIUS	RADIUS	RADIUS
Number of users	30	Unlimited	Unlimited	Unlimited	Unlimited
Network Access Rules	Yes	Yes	Yes	Yes	Yes
Total Static Routes	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
VPN Functionality⁰					
Encryption	No	3DES, AES	3DES, AES	3DES, AES	3DES, AES
Authentication Algorithms	No	MD5, SHA1	MD5, SHA1	MD5, SHA1	MD5, SHA1
X.509 Certificates	Yes	Yes	Yes	Yes	Yes
PKI/Digital Certificates	Yes	Authentication Service	Authentication Service	Authentication Service	Authentication Service

Feature	Ingate Firewall S900	Ingate Firewall 1200	Ingate Firewall 1400	Ingate Firewall 1800	Ingate Firewall 1880
VPN Interoperability	IPSec	IPSec/PPTP	IPSec/PPTP	IPSec/PPTP	IPSec/PPTP
Peer VPN Client behind NAT	No	Yes	Yes	Yes	Yes
VPN Client Pass-through	IPSec, PPTP, SSH	No	No	No	No
VPN Tunnels	N/A	50	100	400	800
3DES (168 bit) (Mbit/s)	N/A	12	24	90	100
AES (128 bit) (Mbit/s)	N/A	28	49	200	230
Perfect Forward Secrecy	Yes	Yes	Yes	Yes	Yes
Prevent Replay Attacks	N/A	Yes	Yes	Yes	Yes
Key Management	N/A	IKE	IKE	IKE	IKE
High Availability					
Failover Support	No	Yes	Yes	Yes	Yes
Active Standby Monitoring	No	Yes	Yes	Yes	Yes
Dual Power Supplies	No	No	No	No	Yes
SIP Functionality					
SIP Proxy	Yes	Yes	Yes	Yes	Yes
SIP Registrar	Yes	Yes	Yes	Yes	Yes
SIP Traffic in/out without extra proxy	Yes	Yes	Yes	Yes	Yes
SIP Traffic to private IP addresses (NAT/PAT)	Yes	Yes	Yes	Yes	Yes
TLS Encryption	Yes	Yes	Yes	Yes	Yes
SIP Connection set up (SIP+RTP)	0.53 s	0.15 s	0.15 s	0.15 s	0.15 s
RTP data delay (10 Mbit/100 Mbit network)	0.19/0.08 ms	0.19/0.08 ms	0.19/0.08 ms	0.19/0.08 ms	0.19/0.08 ms

Feature	Ingate Firewall S900	Ingate Firewall 1200	Ingate Firewall 1400	Ingate Firewall 1800	Ingate Firewall 1880
Concurrent RTP Sessions	15	50	180	400	800
SIP User Licenses included	5	2	10	50	50
Max Registered SIP Users (appr)	50	400	1000	4000	8000
Notes: 0. Additional module					