

Ingate SIParator®

Ingate SIParator® with Microsoft® Office 365

Microsoft® Office 365 brings together Microsoft® email and calendars, Office Web Apps, Web conferencing and file sharing in one highly secure, reliable, and flexible package. Exchange Online, which is part of Office 365, offers cloud-based email, calendar, and contacts as well as the possibility to use connect a company PBX to Exchange Online for Unified Messaging, Voice Mail and other services.

In order to use Exchange Online the enterprise must have a qualified Enterprise Session Border Controller (E-SBC). The Ingate SIParator® E-SBC has been approved for Exchange Online by Microsoft®, see [details](#). With the Ingate SIParator®, any IP-PBX or VoIP gateway listed in the [Microsoft® Exchange 2010 Telephony Advisor](#) can successfully connect with Exchange Online UM, enabling the secure use of the Microsoft® Office suite of applications hosted on Microsoft® Office 365. Information on configuration of the Ingate SIParator® with Exchange Online UM can be found on the [Exchange Online Website](#). An [application note](#) is also available on the Ingate website, www.ingate.com.

An E-SBC is also required when SIP trunking on-premise Lync installations. Ingate has a long history of enabling SIP trunking with Microsoft® LCS, OCS and Lync, with many successful installations. Please contact Ingate for more information on this.



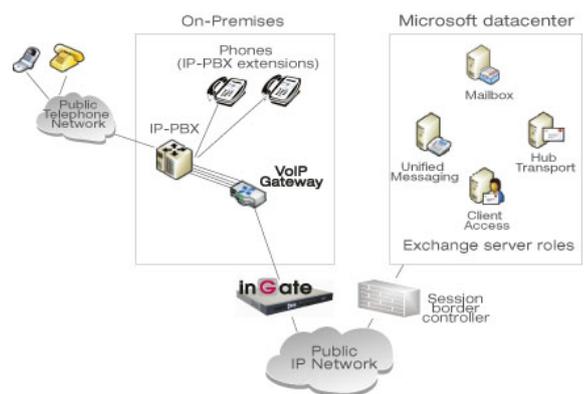
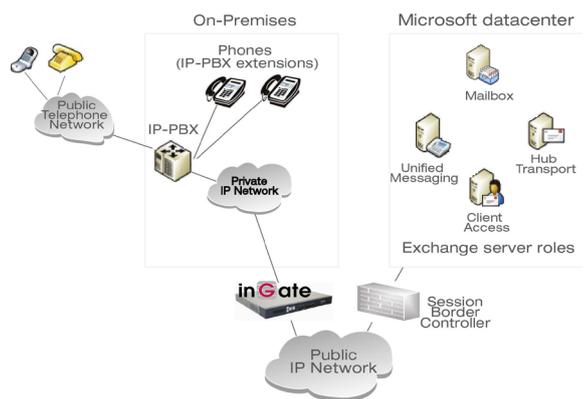
The Ingate SIParator® advantage

The Ingate SIParator® is a powerful tool that offers enterprises a controlled and secured migration to VoIP (Voice-over-IP) and other live communications, based on Session Initiation Protocol (SIP).

Available only from Ingate® Systems, the SIParator® works seamlessly with your existing firewall to allow the flow of SIP traffic to reach the user in the enterprise, no matter where he or she is located, as long as there is an Internet connection.

Ingate and Microsoft® Exchange Online

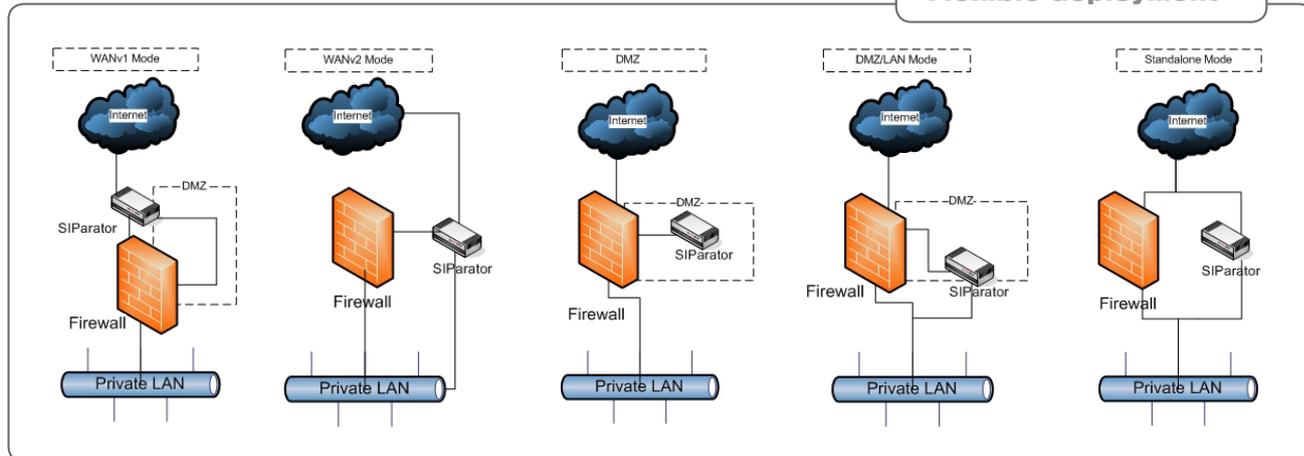
The SIParator® E-SBC resolves interoperability issues between the IP-PBX and Microsoft® Exchange Online, paving the way for a fast, simplified installation. It also provides enterprise-class security for both the SIP traffic (VoIP, etc.) as well as for the network itself, meeting the strict demands of businesses today. With Ingate, businesses can tap in to Microsoft® Exchange Online UM using virtually any IP-PBX, at an exceptional price point.



Why Ingate?

- For secure SIP trunks, VoIP, and network
- SIP normalization: resolving interoperability issues between IP-PBX and ITSP, for simplified installations
- Secure NAT traversal
- Proven, reliable

Flexible deployment



Technical Specifications Ingate SIPParators

Feature	Ingate SIPParator 21	Ingate SIPParator 51	Ingate SIPParator 56	Ingate SIPParator 66	Ingate SIPParator 95	Ingate SIPParator 96
Interfaces (10/100/1000 Mbit/s)	4	4	4	4	6	6
Redundant power supply	No	No	No	No	Yes	Yes
Type of disk	Compact Flash	HDD	HDD	HDD	RAID 1	RAID 1
Dimensions WxDxH (mm)	300x145x44	426x365x44	426x365x44	426x365x44	772x426x43	772x426x43
Certifications	CE, FCC, UL					
Power consumption (typical)	25 W	100 W	100 W	100 W	200 W	200 W
Power supply 100 – 240 VAC, 50-60 Hz	External	Internal	Internal	Internal	Internal	Internal
Automatic check for new releases	Yes	Yes	Yes	Yes	Yes	Yes
Management/Configuration options: Web GUI (HTTP, HTTPS) and CLI (SSH, serial cable)	Yes	Yes	Yes	Yes	Yes	Yes
SNMP V2, V3	Yes	Yes	Yes	Yes	Yes	Yes
Max numbers of VLANs	16	32	64	128	256	256
Internal log to HD	No	Yes	Yes	Yes	Yes	Yes
Logging to PCAP file	Yes	Yes	Yes	Yes	Yes	Yes
Syslog	Yes	Yes	Yes	Yes	Yes	Yes
E-mail events	Yes	Yes	Yes	Yes	Yes	Yes
External RADIUS server authentication for GUI and SIP	Yes	Yes	Yes	Yes	Yes	Yes
Support for multiple ISPs	Yes	Yes	Yes	Yes	Yes	Yes
Free software upgrades	First year					
SIP Functionality						
SIP proxy	Yes	Yes	Yes	Yes	Yes	Yes
SIP registrar	Yes	Yes	Yes	Yes	Yes	Yes
SIP traffic to private IP addresses (NAT/PAT)	Yes	Yes	Yes	Yes	Yes	Yes
SIP Connection set up (SIP + RTP), max calls/s	15	30	30	30	50	50
RTP data delay (10 Mbps/100 Mbps) network	0.19/0.08 ms					
Max number of concurrent calls (20 ms voice packets)	50	150	400	800	1800	3000
Concurrent encrypted voice RTP sessions, both transcoding SRTP and TLS. (With Enhanced Security Module)	25	150	400	700	1300	1300
Billing and authentication of SIP users from an external RADIUS	Yes	Yes	Yes	Yes	Yes	Yes
Add-on modules						
SIP Trunking (connecting an IP-PBX to an ITSPs SIP-trunk)	Yes	Yes	Yes	Yes	Yes	Yes
Remote SIP Connectivity (Far-end NAT Traversal incl STUN-server)	Yes	Yes	Yes	Yes	Yes	Yes
QoS (bandwidth limitation and prioritization)	Yes	Yes	Yes	Yes	Yes	Yes
Enhanced Security (SRTP and TLS)	Yes	Yes	Yes	Yes	Yes	Yes
VoIP Survival (VoIP redundancy if Internet connection fails)	Yes	Yes	Yes	Yes	Yes	Yes
SIP Registrar (Ingate is used as the primary SIP registrar)	Yes	Yes	Yes	Yes	Yes	Yes

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