

# NetBorder™ LYNC EXPRESS



Microsoft® Unified Communications

**The all-in-one Lync server appliance with a built-in VoIP gateway and SBC.**

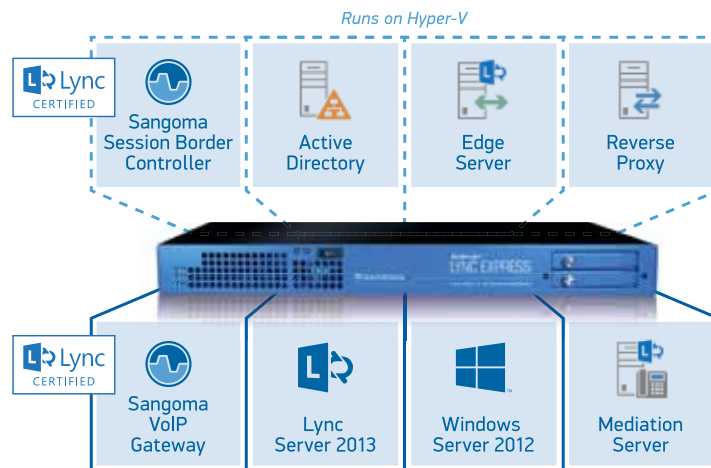
## USE CASES

- ✓ **Connect Lync deployments to PSTN and existing on-site telephony through SIP trunks or traditional connections**
- ✓ **Complete IP-PBX replacement, including Lync UC Features, for installations of up to 1,000 users**

Analysts agree that the Microsoft® Lync® is quickly gaining traction not only as a Unified Communications platform, but as a complete IP-PBX replacement. The initial release of Lync squarely focused on the large enterprise that had a complete staff of Microsoft Certified engineers or partners at their disposal. The complexity of a Lync installation puts implementation beyond the capacity of most SMBs. Complexity is increased when a Lync installation is integrated with the PSTN, either through traditional telephony interfaces or with a SIP trunk.

To help the SMB manage this complexity, Sangoma has created Lync Express, the all-in-one Lync server appliance with a built-in VoIP gateway and SBC. The appliance is "right-sized" to support installations of up to 1,000 users, with the required software pre-loaded onto the appliance.

## What's inside NetBorder™ LYNC EXPRESS?



*All software is pre-installed inside Lync Express.*

With Lync Express, Sangoma brings its considerable telecom knowledge to the Microsoft Lync ecosystem allowing connections to SIP trunks or legacy PSTN or PBX. Sangoma makes deploying a Lync system much simpler, faster, and more cost-effective with everything all in one box and all software pre-installed, saving hours or days of work.

## AWARD WINNING:



## TECHNICAL SPECIFICATIONS

### Pre-Installed Software:

Microsoft® Windows™ Server 2012

Microsoft® Lync® Server 2013

- Mediation Server
- Reverse Proxy
- Edge Server
- Active Directory

Sangoma VoIP Gateway

Sangoma SBC

*Note: Microsoft licensing is not included.*

### PSTN Protocol Termination:

#### E1/T1 PRODUCTS:

1 E1/T1 + 4 FXS

2 E1/T1 + 4 FXS

8 E1/T1 + 4 FXS

Supporting:

- North American variants
- Japan variant (INS1500)
- EuroISDN
- MFC/R2

#### BRI PRODUCTS:

4 BRI + 2 FXS

#### ANALOG PRODUCTS:

6 FXO + 2 FXS

22 FXO + 2 FXS

#### SBC:

25–250 sessions

Supporting:

- SIP Trunking
- Toll Fraud Protection
- DoS/DDoS Protection
- Intelligent Routing
- Call Access Control

#### SBC/TDM:

25–250 sessions with TDM gateway for resilience/PBX connectivity

### VoIP Protocol Termination:

TCP or UDP

SIP control protocol per RFC 3261

RTP/RTCP per RFC 3550/3551

### Security:

TLS per RFC 5246

SRTP per RFC 3711

### Network Interfaces:

2 RJ-45 Ethernet ports

4 USB ports

### Video:

1 DVI output port

### Media Processing:

G.168-2002 echo cancellation with hardware option

DTMF over RTP per RFC 2833; international and custom tone detection and generation

Voice Activity Detection (VAD) and Comfort Noise Generation (CNG)

T.38 fax relay

### Management and Configuration:

Web server

Web services API

Configuration files for easy integration into OEM applications

SNMP DS0, DS1 and call stats MIBS

Contextual help menus

Extensive logging

Automatic board discovery

Open protocol translation & XML-based routing rules

Configurable ISDN PRI to SIP mapping per RFC 3398

### Dimensions:

1U: 482.6(W) x 474(D) x 44(H) mm; 19"(W) x 18.7"(D) x 1.7"(H)

2U: 482.6(W) x 441.6(D) x 88.4(H) mm; 19"(W) x 17.4"(D) x 3.5"(H)

*Note: Server rack size will be dependent on the configurations selected.*

### AC Power:

250W universal for 1U solution

350W universal for 2U solution

DC 400W -48V for 2U (Special Order)

### Support and Professional Services:

Sangoma engineers are here to support your success. Whether you need technical support and software maintenance, training, consultation and installation services, Sangoma can help you. Contact your Sales representative for more information.

### Warranty:

Standard 12-month warranty is included. Additional warranty services available, contact your Sales representative for more information.

### For More Information:

<http://sangoma.com/products/netborder-lync-express/>

*In an effort to continuously improve our products Sangoma reserves the right to modify features, design or specifications at any time without prior notice or obligation.*