

# NetBorder™ LYNC EXPRESS



## Microsoft® Unified Communications

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

### FEATURES

- ☑ All-in-one turnkey solution in a simple and elegant appliance
- ☑ Enable Microsoft® Lync™ for an SME of up to 100 employees
- ☑ PSTN connectivity assured by Lync certified NetBorder™ Express VoIP Gateway
- ☑ Connect legacy telephony devices to Lync UC services
- ☑ Integrate with Office 365 services with Lync on-premise

Lync is specifically designed by Microsoft to be easily integrated with an existing Microsoft environment. Until now, connecting Lync to an existing TDM infrastructure has not been given that same design consideration. A Microsoft engineer would need to integrate Lync with a third party media gateway to connect Lync to the outside world, UNTIL NOW.

Sangoma's Lync Express combines a fully-featured Lync Server with its Lync certified award-winning VoIP gateway, NetBorder™ Express to create the ONLY all-in-one Lync server appliance on the market. All in a simple and elegant appliance.

Lync Express is the all-in-one quick and easy solution to get you up and running in the post PBX era that is Microsoft Lync Unified Communications.

Microsoft® Lync™ 2010 is a Unified Communications platform that enables:

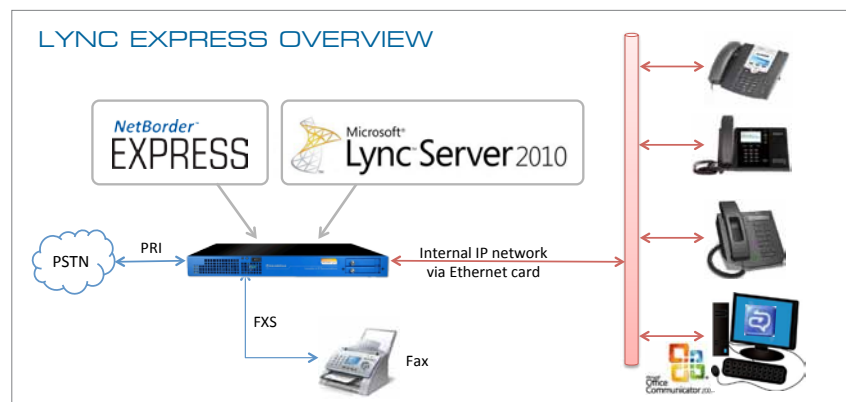
- Presence and instant messaging
- Audio, video conferencing and collaboration
- Telephony
- Deep integration with other Microsoft products



The Lync Express appliance offers a full Microsoft Lync solution with PSTN connectivity built-in. All the software is pre-installed; all that is needed to do is configure Microsoft Lync. For deployments where there is no domain controller present in the customer's Windows network, an optional virtual machine with the domain controller role is available on the appliance.

PSTN Connectivity:

- 1 T1/E1/J1 span to assure ISDN PRI connectivity to the PSTN
- 4 FXS lines for legacy telephony devices (faxes and phones)



Sangoma brings its considerable knowledge of VoIP gateway and telecom expertise to the Microsoft Lync channel. The tight integration of NetBorder Express and Lync greatly facilitates the installation of an enterprise voice deployment, and the cost-effectiveness of our single box solution makes this product stand out in a category of its own in the current Lync market.

## TECHNICAL SPECIFICATIONS

### Pre-Installed Software

- Microsoft® Windows™ 2008 Server R2
- Microsoft® Lync™ Server 2010 Standard
- NetBorder™ Express VoIP Gateway
- Hyper-V Microsoft® Windows™ 2008 Server R2 as Domain Controller/Active Directory Server

*Note: Microsoft licensing is not included; they can be optionally purchased through Sangoma.*

### PSTN Protocol Termination

- 4 Analog FXS lines
- 1 ISDN PRI span
  - » North American variants
  - » EuroISDN
  - » Japan variant (INS1500)
  - » MFC/R2
- Capacity:
  - » 1 ISDN PRI option: From 2 to 30 channels of simultaneous calls per system over PSTN

### 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

### 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 and Comfort Noise Generation (VAD/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

### Network Interfaces

- 3 RJ-45 Ethernet ports
- 4 USB ports

### Video

- 1 DVI output port

### AC Power

- 250W Universal

### Dimensions

- 1U: 480.4mm(W) x 474mm(D) x 44mm(H);  
19"(W) x 18.7"(D) x 1.7"(H)

### 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.

## ORDERING

SKU	Item
LYNC-NBE-AP01	Lync Express 1U appliance

*Cables, if required, are included at no additional charge.*

*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.*