

1 About this Guide

Thank you for purchasing AudioCodes Mediant 800B Survivable Branch Appliance (SBA) for the integration into the Microsoft® Lync™ Server environment.

This quick guide provides information on setting up your Mediant 800B SBA for initial network connectivity. Once you have established communication with Mediant 800B SBA, refer to the SBA-related documentation, which can be downloaded from AudioCodes Web site (see Section 9, Documentation and Software).

Before you start, please read the safety instructions provided in the Regulatory Information document, which can be downloaded from AudioCodes Web site at <http://www.audiocodes.com/library>.

2 System Overview

In the Lync Server environment, given the centralized deployment model, Unified Communication (UC) users in a remote site are dependent on the servers in the enterprise’s data center (typically at headquarters) for their communication, and hence are vulnerable to losing communication capabilities when the WAN is unavailable. Given the always-available expectation for voice, it is imperative that the UC solution continues to provide the ability for branch users to make and receive calls when the WAN from the branch to the primary data center is unavailable.

To provide voice services to branch users during a WAN outage, AudioCodes provides a branch office survivability solution—the Survivable Branch Appliance (SBA) application—which is hosted on the OSN server platform running on AudioCodes Mediant 800B SBA located at the branch office. During a WAN connectivity failure, Mediant 800B SBA maintains call connectivity for Microsoft users located at the branch office—Lync Server clients (for example, Web-based users) and devices (for example, IP phones)—and between these users and the public switched telephone network (PSTN). The PSTN termination is an optional feature that can be provided by the E1/T1/BRI/FXO interface offered by the Mediant 800B SBA.

3 Verifying Package Contents

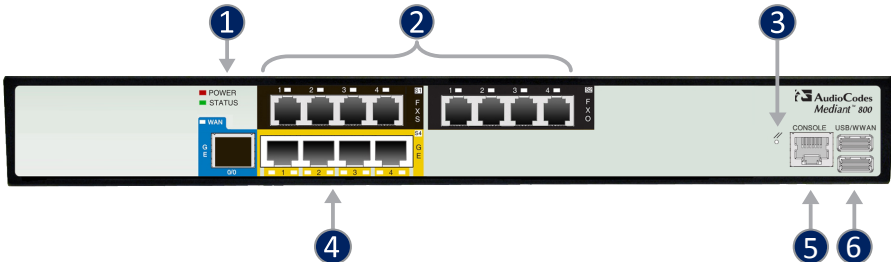
Make sure that the Mediant 800B SBA package includes the following items:

- One AC power cable
- Four anti-slide bumpers for desktop mounting
- 19-inch rack mounting kit (two flanges and six screws)
- RS-232 serial cable adaptor for serial communication between the Mediant 800B OSN server and a PC
- E1/T1 splitter cable adapter for T1 WAN interface (customer ordered item)
- USB tool for SBA software upgrade and recovery procedure
- Microsoft Windows 2008 license agreement (envelope)

If any items are missing or damaged, please contact your AudioCodes sales representative.

4 Physical Description

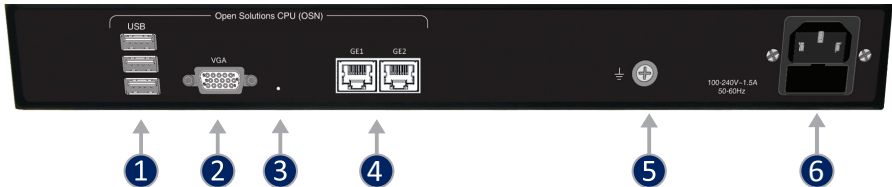
The Mediant 800B SBA front panel is shown below and described in the subsequent table.



Item	Title	Description
1	POWER / STATUS	LEDs indicating the status of the power and reboot/initialization.
2	FXS / FXO / BRI / Digital	Optional telephony interfaces: <ul style="list-style-type: none">• FXS interfaces (RJ-11 port)• FXO interfaces (RJ-11 port)• BRI interfaces (RJ-45 port)• E1/T1 PSTN interface (RJ-48 port)
3	-	Reset pinhole button for resetting the device and restoring it to factory defaults
4	GE	Four 10/100/1000Base-T (Gigabit Ethernet) RJ-45 LAN ports
5	RS-232	RS-232 port for serial communication.
6	USB/WWAN	Future use for GSM/LTE wireless modem.

5 Rear Panel Description

The Mediant 800B SBA rear panel is shown below and described in the subsequent table.



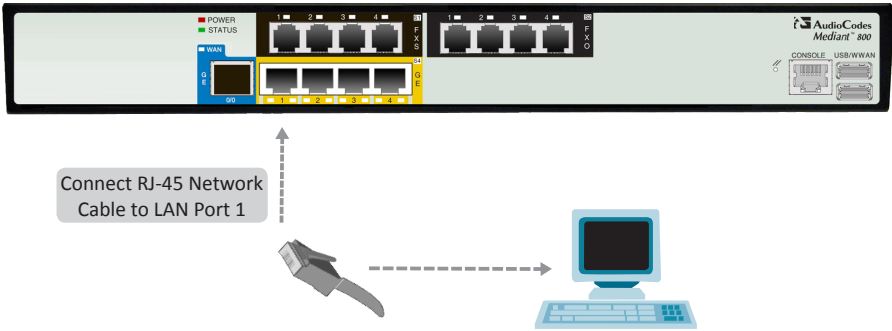
Item	Title	Description
1	OSN USB	Three USB ports (Standard-A type) for connecting computer peripherals (e.g., mouse and keyboard) when using the OSN server platform
2	OSN VGA	15-Pin DB-type female VGA port for connecting to a monitor (screen) when using the OSN server platform
3	-	Reset pinhole button for resetting the OSN server
4	GE1/2	10/100/1000Base-T Ethernet ports (RJ-45) for connecting directly to the OSN server
5	⏏	Protective earthing screw
6	100-240V ~1.5A 50-60Hz	3-Prong AC power supply entry

6 Assigning an IP Address to the PSTN Gateway

The Mediant 800B includes an embedded Web server (Web interface), providing a user-friendly graphical user interface (GUI) for configuring gateway-related (analog, digital, and SIP telephony) functionality (termed PSTN Gateway). The default IP address (192.168.0.2 and subnet 255.255.255.0) used for accessing this Web interface must be changed to suit the networking scheme in which your Mediant 800B SBA is deployed. Once you have defined this IP address, you need to define it in the SBA Web-based wizard, discussed briefly in Section 7, Connecting to the SBA Web-Based Wizard.

➤ To assign an IP address to the Mediant 800B PSTN Gateway:

1. Connect LAN port #1 on the front panel of the Mediant 800B directly to a PC, using a straight-through Ethernet cable.



2. Change the IP address and subnet mask of your computer to correspond with the Mediant 800B default IP address and subnet mask.
3. Open a standard Web browser, and then in the URL address field, enter the default IP address (e.g., <http://192.168.0.2>).

<http://192.168.0.2>

The following login screen appears, prompting you to log in with your login credentials:

Web Login

Username

Password

☐ Remember Me

Login

4. Log in with the default, case-sensitive username (“Admin”) and password (“Admin”), and then click **Login**; the Web interface is accessed, displaying the Home page.
5. Open the IP Interfaces Table page (**Configuration** tab > **VoIP** menu > **Network** submenu > **IP Interfaces Table**), as shown below:

IP Interfaces Table									
<input type="text"/>		<input type="button" value="Add Index"/>		<input type="button" value="Delete"/>		<input type="button" value="Apply"/>			
Index	Application Type	IP Address	Prefix Length	Gateway	VLAN ID	Interface Name	Primary DNS Server IP Address	Sec	
0	<input checked="" type="radio"/> OAMP + Media + Contro	192.168.0.2	24	192.168.0.1	1	Voice	0.0.0.0	0.0.0	

6. Select the ‘Index’ radio button corresponding to the Application Type “**OAMP + Media + Control**” (i.e., the VoIP and Management LAN interface), and then click **Edit**.
7. Configure a LAN network address so that it corresponds to your network IP addressing scheme.
8. Click **Apply**, and then click **Done** to apply and validate your settings.
9. On the toolbar, from the **Device Actions** drop-down list, choose **Reset**, and then in the Maintenance Actions page, click the **Reset** button; Mediant 800B resets and your settings are saved to the flash memory.

Reset Configuration

Reset Board

Burn To FLASH

Graceful Option

LOCK / UNLOCK

Lock

Graceful Option

Gateway Operational State

Save Configuration

Burn To FLASH

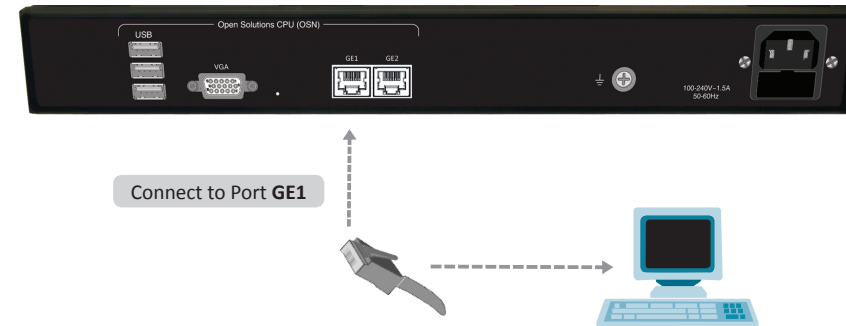
10. Disconnect the Mediant 800B LAN port from the PC.

7 Connecting to the SBA Web-Based Wizard

The SBA Web-based wizard is the main tool for installing and configuring the SBA application running on the Mediant 800B OSN server. The procedure below describes how to connect to the SBA wizard.

➤ To connect to the SBA wizard:

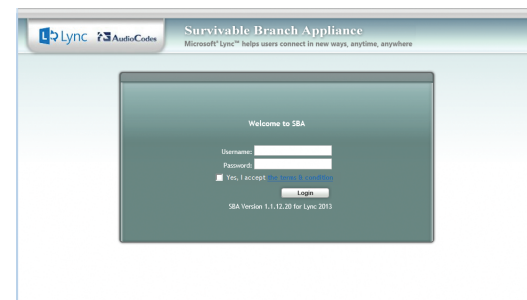
1. Connect a PC to the LAN port on the rear panel of the Mediant 800B SBA, using a straight-through CAT 5 network cable.



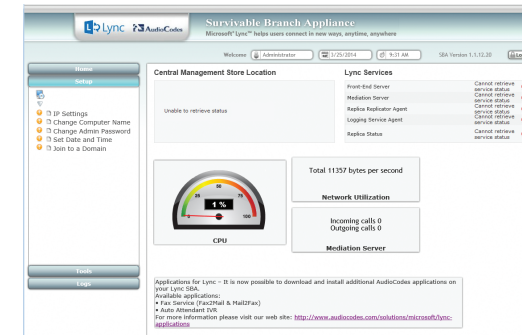
2. The default IP address of the OSN server hosting the SBA is 192.168.0.20. Change the IP address of your PC so that it is in the same subnet as this default IP address.
3. Open a standard Web browser (Firefox, Google Chrome, or Internet Explorer 8 and later is recommended), and then in the URL address field, enter the default IP address of the OSN server (<http://192.168.0.20>).

<http://192.168.0.20>

The Welcome to SBA login screen appears:



4. Log in with the default username ("Administrator") and password ("Pass123"), and then click **Login**; the Home screen appears.



5. Continue with SBA configuration, as described in the Mediant 800B SBA Installation Manual document.

8 SCOM Management Pack

AudioCodes Management Pack enables the integration of Microsoft System Center Operations Manager (SCOM) for monitoring the Mediant 800B deployed in the Lync Server network. For downloading the related documentation, see the section below.

9 Documentation and Software

You can obtain this quick guide and other relevant SBA documentation and software files from AudioCodes Web site:

➤ To obtain SBA-related documentation and software files:

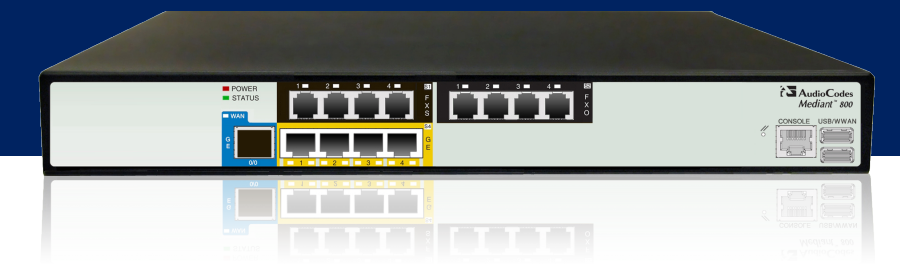
1. Go to <http://www.audiocodes.com/sba>.
2. Under RELATED PRODUCTS, click **Mediant 800 SBA**.
3. Scroll down the page, select the **Resources** tab, and then
 - for documentation, click **Lync Documentation**
 - for software, click **Software** (make sure that you are logged in as a registered user)

10 Customer Support

Customer technical support and services are provided by AudioCodes or by an authorized AudioCodes Service Partner. For more information on how to buy technical support for AudioCodes products and for contact information, please visit our Web site at <http://www.audiocodes.com/support>.



Mediant 800B Survivable Branch Appliance for Microsoft® Lync™ Server



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