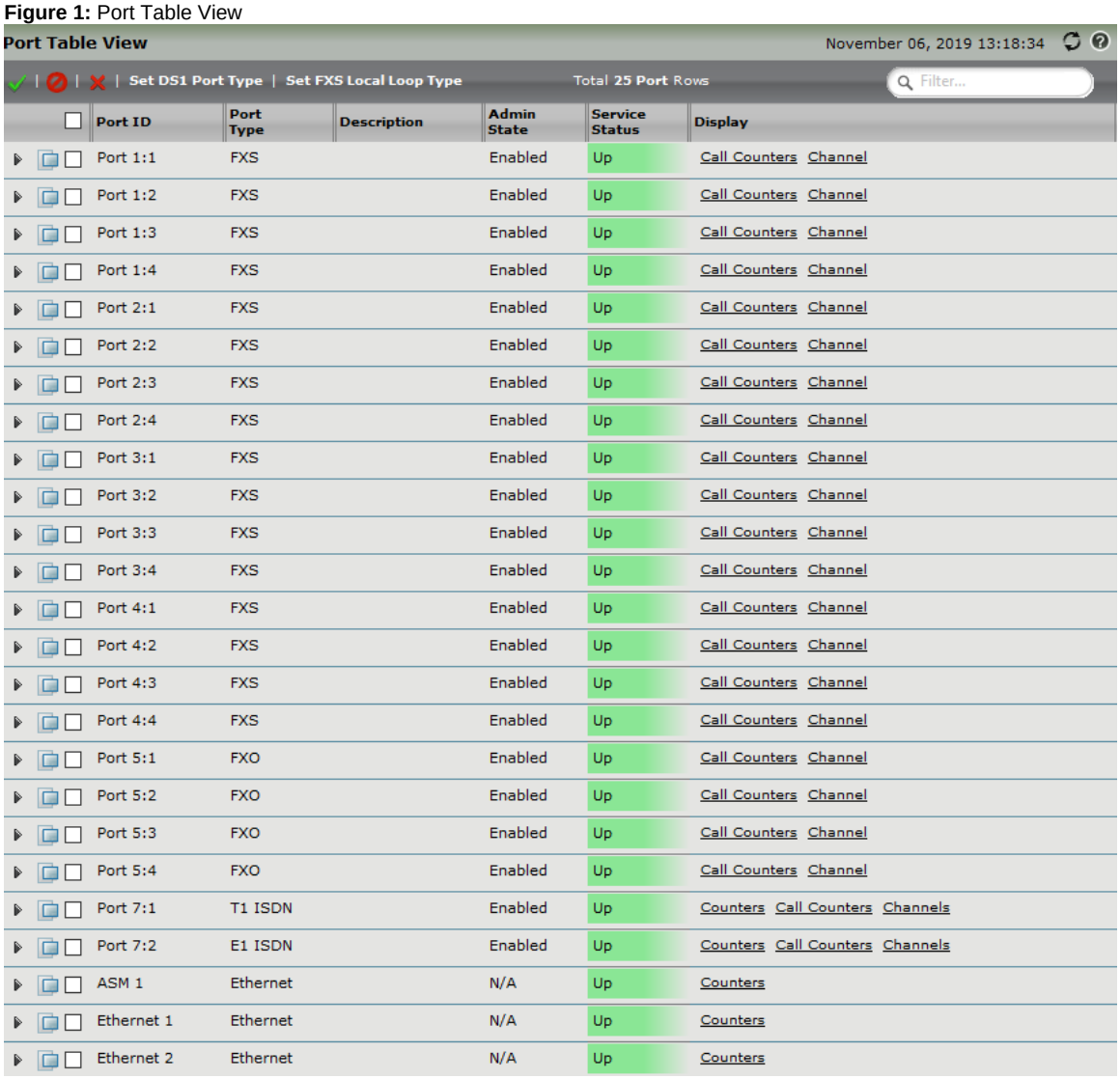
Configuring FXO Ports

1. In the WebUI, click the **Settings** tab.
2. In the left navigation pane, go to **Node Interfaces> Ports**.

Figure 1: Port Table View



Port Table View — November 06, 2019 13:18:34

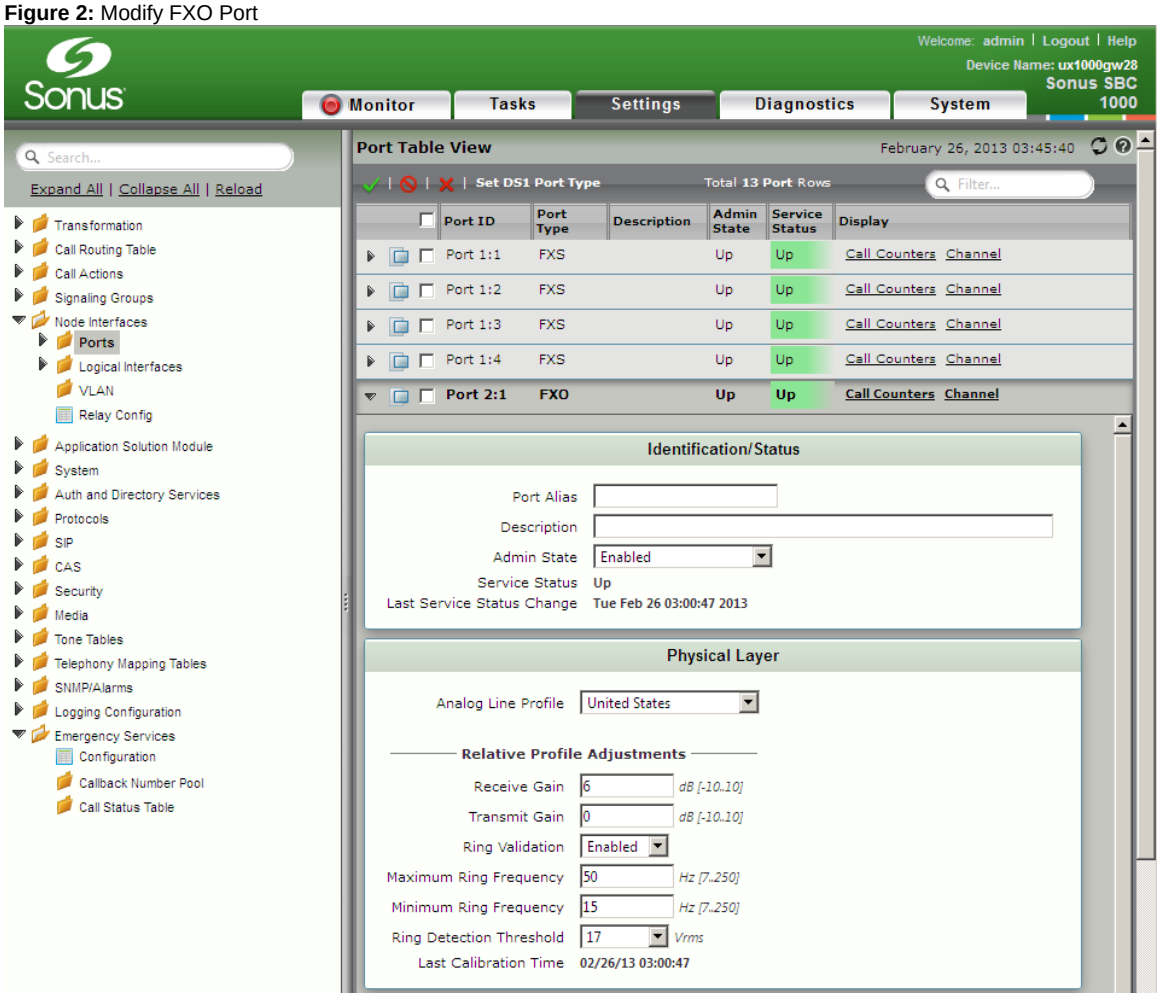
Set DS1 Port Type | Set FXS Local Loop Type — Total 25 Port Rows — Filter...

Port ID	Port Type	Description	Admin State	Service Status	Display
Port 1:1	FXS		Enabled	Up	Call Counters Channel
Port 1:2	FXS		Enabled	Up	Call Counters Channel
Port 1:3	FXS		Enabled	Up	Call Counters Channel
Port 1:4	FXS		Enabled	Up	Call Counters Channel
Port 2:1	FXS		Enabled	Up	Call Counters Channel
Port 2:2	FXS		Enabled	Up	Call Counters Channel
Port 2:3	FXS		Enabled	Up	Call Counters Channel
Port 2:4	FXS		Enabled	Up	Call Counters Channel
Port 3:1	FXS		Enabled	Up	Call Counters Channel
Port 3:2	FXS		Enabled	Up	Call Counters Channel
Port 3:3	FXS		Enabled	Up	Call Counters Channel
Port 3:4	FXS		Enabled	Up	Call Counters Channel
Port 4:1	FXS		Enabled	Up	Call Counters Channel
Port 4:2	FXS		Enabled	Up	Call Counters Channel
Port 4:3	FXS		Enabled	Up	Call Counters Channel
Port 4:4	FXS		Enabled	Up	Call Counters Channel
Port 5:1	FXO		Enabled	Up	Call Counters Channel
Port 5:2	FXO		Enabled	Up	Call Counters Channel
Port 5:3	FXO		Enabled	Up	Call Counters Channel
Port 5:4	FXO		Enabled	Up	Call Counters Channel
Port 7:1	T1 ISDN		Enabled	Up	Counters Call Counters Channels
Port 7:2	E1 ISDN		Enabled	Up	Counters Call Counters Channels
ASM 1	Ethernet		N/A	Up	Counters
Ethernet 1	Ethernet		N/A	Up	Counters
Ethernet 2	Ethernet		N/A	Up	Counters

To modify a Port:

Click the **expand** ( ) Icon next to the entry you wish to modify.

Figure 2: Modify FXO Port



Note
The SBC 1000 supports fax on all TDM interfaces (PRI, BRI, FXS, and FXO). TDM calls, which have both call legs as TDM, use T.30 protocol. If either one or both of the call legs are IP (SIP), then the calls use T.30 protocol or inband audio. The SBC 1000 supports both the G3 and Super G3 fax protocols.

Identification/Status - Field Definitions

The Identification/Status Panel controls the network identity of the port and its administrative state (Up or Down). It also provides the port's current service status and when that status last changed.

Port Alias

Specifies an alias for the port. This text is configured by the operator for exclusive use by SNMP-based element and network management systems to assign a key to the port or interface, that is unique across the managed network. Examples would be "Node10Port5" and "VerizonPort5"

Admin State

Specifies the administrative state of the port.

Physical Layer - Field Definitions

Analog Line Profile

Selection of an Analog Line Profile enables you to change the impedance presented by the Sonus SBC 1000/2000 FXS ports. It should match the impedance of the specified country's Telco. Some countries use resistive impedance and some use complex impedance. For example, telephone companies in the United States use 600 ohm resistive impedance where as Australia uses 220 ohms in series with the parallel combination of 820 ohms and 120 nF.

Select a country from the drop down list. If the desired country or a similar country is not listed, select **Other** or **Other European (TBR 21)**.

For FXO ports. The FXO ports **MUST** be calibrated to avoid audible echos on the line, reduced call quality, and Caller ID failure. See Calibrating FXO Ports,

Relative Profile Adjustments

- Negative values represent signal attenuation (lower volume).
- Positive values represent signal amplification (higher volume).

Receive Gain

Specifies the number of decibels to boost or attenuate the level of signal coming into the SBC on an FXO port. The default value of 6 dB compensates for the loss on an FXO line coming in from the local PSTN.

Increasing the receive gain could result in failure of caller ID and dtmf detection by the SBC.

Valid range: -10 to +10. Default value: +6.

Transmit Gain

Specifies the number of decibels to boost or attenuate the level of the signal leaving the SBC on an FXO port. An unnecessary change in the signal level could cause call failures.

Valid range: -10 to +10. Default value: 0

Ring Validation

Enables and disables ring validation by the FXO analog port.

Maximum Ring Frequency

Specifies the upper frequency limit used for ring validation by analog FXO port.

Minimum Ring Frequency

Specifies the lower frequency limit used for ring validation by analog FXO port.

Ring Detection Threshold

Specifies the RMS ring voltage, above which ring detection is guaranteed.