

SBC Core Portfolio (SBC 5000-7000-SWe) + Q-Series

One of the primary objectives at Ribbon is to ensure Ribbon products interoperate with customers' existing network equipment. Ribbon interoperability testing is designed to prove interoperability with legacy equipment (TDM, H.323), multiple SIP vendors, SIP standards, application providers, international standards, and more.

This section provides interoperability test results (application notes) for these various scenarios. Be aware that these application notes are created for customers who have a good understanding of Ribbon SBCs and the PBX devices that are tested. This customer knowledge and experience is a key factor to understand the SBC and PBX configurations before these application notes are actually used in the field. These application notes are targeted for use by specific customers, and the provisioning information included in these application notes should only be implemented after the customer applies their proprietary SBC and PBX configurations on their servers.

Do not use these application notes to set up or provision any end-to-end solutions. These application notes include only information that was recorded while setting up for and executing specific test scenarios. Note that Ribbon product documentation is often referenced when configuring Ribbon products using the application notes since the intent is to use existing documentation when possible.

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Third Party Applications



Configuring the Sonus SBC Core Portfolio with BroadSoft BroadWorks R19.sp1	v2.0	Mar 11, 2016
SBC_5XX0_4.1.0R0_IOT_Broadsoft_R20SP1_ApplicationNotes	v1.0	2014
Sonus SBC 5XX0 5.0.1R0 IOT BroadWorks R21SP1 Application Notes	v1.0	Sep 19, 2016
Configuring the Sonus SBC Core Portfolio with BroadSoft BroadWorks R21.sp1	v1.0	May 10, 2017
Sonus SBC 5XX0 6.0R0 IOT BroadWorks R22 Application Notes	v1.0	Aug 2017



Sonus SBC 5XX0 V5.0.5R0 IOT CounterPath Bria Android SoftClient SIP Application Note v1.0 Nov 2017



Sonus SBC 5.1.1R0 IOT NICE SIP Recording Application Notes v1.0 Aug 2017



Sonus_SBC_5XX0_4.0.0R0_IOT_Genesys_8.1_ApplicationNotes v1.0 Mar 2014

Sonus SBC Core 4.0.0R0 with Genesys Platform Solutions v1.0 May 23, 2014

Sonus SBC 5XX0 5.1.1R0 IOT Genesys Voice Platform 8.1 Application Notes v1.0 May 2017

Ribbon SBC Q21 9.3 Genesys Voice Platform 8.1 v1.0 Jun 2018



Sonus SBC 5XX0 5.0.1R000 - IOT Sandvine SDE Version 7.45.01 v1.0 Jun 2016



Sonus SBC Swe V6.1.0R1 Telco Systems CM-100 Application Note v1.0 Jan 2018

Generic



Sonus SBC Core 4.0.2R0 Configuring Basic Audio Transcoding or Pass-Through Scenarios v1.0 May 14, 2014

Sonus SBC Core 4.0.5R0 Carrier SIP Trunks and IP PBX Systems v1.0 Aug 18, 2014

Sonus SBC Core 4.0.5R0 Configuring in an Access Environment v1.0 Jan 13, 2015

IADs



See Archive



See Archive

PBXs

[Sonus_SBC_5XX0_4.0.0R0_IOT_Avaya_Aura_6.0_ApplicationNotes](#)



[Sonus_SBC_5XX0_4.0.0R0_IOT_Avaya_CM_5.2.1_SM_6.1_G450_G650_ApplicationNotes](#)

[Sonus_SBC_5XX0_4.0.0R0_IOT_Avaya_CM6.0_SM_6.1_G450_G650_ApplicationNotes](#)

[Sonus_SBC_5XX0_4.0.1R0_IOT_Avaya_CM_6.0_Level3_ApplicationNotes](#)

[Sonus_SBC_5XX0_4.0.1R0_IOT_Avaya_Aura_CM_6.3_SM_6.3_ATT27S_IPTF_ApplicationNotes](#)

[Sonus_SBC_5XX0_4.1.0R0_IOT_Avaya_CM_6.3_SM_6.3_ATT_IPTF_ApplicationNotes](#)

[Ribbon SBC Core 5.01.01-R000 IOT Avaya SM7 and CM7 AT&T IP Toll Free SIP Trunk Application Notes](#)

[Ribbon SBC 5XXX 6.1.0R001 IOT Avaya SM7 and CM7 AT&T IP Flex Reach SIP Trunk Application Notes](#)

[Sonus_SBC_5XX0_4.0.1R0_IOT_CUCM_10_ATT_IPFR_ApplicationNotes](#)



[Sonus_SBC_5XX0_4.1.0R0_IOT_CUCM_10.5_ATT_IPFR_EF_ApplicationNotes](#)

[Sonus_SBC_5XX0_4.2.0R0_IOT_CUCM_8.6_ApplicationNotes](#)

[Sonus_SBC_5XX0_4.2.0R0_IOT_CUCM_10.5_ApplicationNotes](#)

[Sonus SBC 5XX0 5.0.0R1 IOT CUCM 10.5 CenturyLink SIP Trunk Application Notes](#)

[Sonus SBC SWe 5.1.0R000 IOT CUCM 11 CenturyLink SIP Trunk Application Notes](#)

[Sonus SBC SWe 5.1.0R000 IOT CUCM 11 CenturyLink SIP Trunk Application Notes](#)

[Sonus SBC 5XXX V05.01.01R000 IOT CUCM 11 AT&T IP Toll Free SIP Trunk Application Notes](#)



Sonus_SBC_5XX0_4.0.1R0_IOT_Interactive_Intelligence_4.0.4_ATT_IPFR_ApplicationNotes



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Sonus_SBC_5XX0_4.0.0R0_IOT_Lync_2013_5.0.8308.0_ATT_IPFR_ApplicationNotes

Sonus_SBC_5XX0_4.0.0R0_IOT_Lync_2013_5.0.8308.0_ApplicationNotes

Sonus_SBC_5XX0_4.0.1R0_IOT_Lync_2013_5.0.8308.556_ATT27S_IPTF_ApplicationNotes

Sonus_SBC_5XX0_4.0.1R0_IOT_Lync_2013_5.0.8308.556_ATT27S_IPTF_Using_AVPN_or_MIS_PNT_Applic

Sonus_SBC_5XX0_4.0.1R0_IOT_Lync_2013_5.0.8308.420_Level3_ApplicationNotes

Sonus_SBC_5XX0_4.1.0R0_IOT_Lync_2013_5.0.8308.0_ApplicationNotes

Sonus_SBC_5XX0_4.1.2A8_IOT_Lync_2013_5.0.8308.420_Bell_Canada_ApplicationNotes

Sonus_SBC_5XX0_4.2.4R2_IOT_Lync_2013_5.0.838.420_Telus_ApplicationNotes

Sonus_SBC_5XX0_4.2.4R0_IOT_Lync_2013_5.0.8308.420_Twilio_ApplicationNotes

Sonus SBC 5XX0 4.2.4R2 IOT Lync 2013 TELUS SIP Trunk over Public Internet Application Notes

Sonus SBC 5XX0 5.0.1R0 IOT Skype For Business Application Notes



Sonus SBC 5XX0 5.0.0R1 IOT Skype for Business 2015 TELUS IP Trunking using SIP Registration Applicati

Sonus SBC 5XX0 5.0.1R0 IOT Skype For Business Application Notes

Sonus SBC 5XX0 5.0.3R0 IOT Skype for Business 2015 TELUS IP Trunking using IP Authentication Applicat

Sonus SBC 5XX0 5.0.3R2 IOT Skype for Business 2015 AT&T Flexible Reach SIP Trunk Application Notes

Sonus SBC 5XX0 5.0.4R1 IOT Skype for Business 2015 Pure IP Application Notes

Sonus SBC 5XX0 5.0.1R002 IOT Skype for Business Virgin Media SIP Trunk

Sonus SBC 5XX0 5.1R0 IOT Microsoft Skype Desktop Sharing

Sonus SBC 5XX0 5.1R0 IOT Skype For Business and Exchange Unified Messaging Application Notes

Sonus SBC 5XX0 6.0R0 IOT Skype For Business and Exchange Unified Messaging Application Notes

Ribbon SBC Core 6.1.0R2 IOT Skype for Business Virgin Media SIP Trunk

Ribbon SBC Core 7.1.0R0 IOT Skype for Business Virgin Media SIP Trunk



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Ribbon SBC Core Configuration With Microsoft Teams (CLI & EMA)

Ribbon SBC Core & PSX Configuration With Microsoft Teams

Ribbon Core SBC Migration From Non-Media Bypass To Media Bypass For MS Teams



See Archive



See Archive



Sonus SBC 5XX0 4.2.3R0 IOT Unify OpenScape 8 R0.34.7 Verizon ApplicationNotes

SBCs



Sonus_SBC_5XX0_4.0.0R0_IOT_Avaya_SBC_E3.6.2.M1P1_ApplicationNotes

v1.0 Oct
2013



Sonus_SBC_5XX0_3.0.0R0_IOT_Cisco_2915_CUBE_15.1(4)M1_ApplicationNotes v1.0 Apr 2012



Sonus SBC 5XX0 5.0.0R1 IOT SBC 1000/2000 SIP Trunk v1.0 May 2017

Service Providers



Sonus_SBC_5XX0_4.0.0R0_IOT_Lync_2013_5.0.8308.0_ATT_IPFR_ApplicationNotes

Sonus_SBC_5XX0_4.0.1R0_IOT_Avaya_Aura_CM_6.3_SM_6.3_ATT27S_IPTF_ApplicationNotes

Sonus_SBC_5XX0_4.0.1R0_IOT_Lync_2013_5.0.8308.556_ATT27S_IPTF_Using_AVPN_or_MIS_P

Sonus_SBC_5XX0_4.0.1R0_IOT_CUCM_10_ATT_IPFR_ApplicationNotes

Sonus_SBC_5XX0_4.0.1R0_IOT_Lync_2013_5.0.8308.556_ATT27S_IPTF_ApplicationNotes

Sonus_SBC_5XX0_4.0.1R0_IOT_Interactive_Intelligence_4.0.4_ATT_IPFR_ApplicationNotes

Sonus_SBC_5XX0_4.1.0R0_IOT_Avaya_CM_6.3_SM_6.3_ATT_IPTF_ApplicationNotes

Sonus_SBC_5XX0_4.1.0R0_IOT_CUCM_10.5_ATT_IPFR_EF_ApplicationNotes

Sonus_SBC_5XX0_4.1.2R0_IOT_Genesys_8.1_ATT_IPFR_ApplicationNotes

Sonus SBC 5XX0 5.0.3R2 IOT Skype for Business 2015 AT&T Flexible Reach SIP Trunk Applicati

Sonus SBC 5XXX V05.01.01R000 IOT CUCM 11 AT&T IP Toll Free SIP Trunk Application Notes

Ribbon SBC Core 5.01.01-R000 IOT Avaya SM7 and CM7 AT&T IP Toll Free SIP Trunk Application

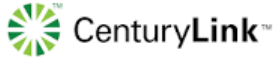
Ribbon SBC 5XXX 6.1.0R001 IOT Avaya SM7 and CM7 AT&T IP Flex Reach SIP Trunk Application



Sonus_SBC_5XX0_4.1.2A8_IOT_Lync_2013_5.0.8308.420_Bell_Canada_ApplicationNotes



Ribbon SBC Q21 9.3 Genesys Voice Platform 8.1



Sonus SBC 5XX0 5.0.0R1 IOT CUCM 10.5 CenturyLink SIP Trunk Application Notes

Sonus SBC SWe 5.1.0R000 IOT CUCM 11 CenturyLink SIP Trunk Application Notes



Sonus_SBC_5XX0_4.2.1R0_IOT_Lync_2013_5.0.8308.420_Colt_ApplicationNotes



Ribbon SBC Core 7.2.1R0 IOT Deutsche Telekom DeutschlandLAN SIP Trunk Application Notes



Sonus_SBC_5XX0_4.0.1R0_IOT_Avaya_CM_6.0_Level3_ApplicationNotes

Sonus SBC 5XX0 4.0.1R0 Level3 Voice Complete

Sonus_SBC_5XX0_4.0.1R0_IOT_Lync_2013_5.0.8308.420_Level3_ApplicationNotes



Sonus SBC 5XX0 5.0.4R1 IOT Skype for Business 2015 Pure IP Application Notes



Sonus_SBC_5XX0_4.2.4R2_IOT_Lync_2013_5.0.838.420_Telus_ApplicationNotes

Sonus SBC 5XX0 4.2.4R2 IOT Lync 2013 TELUS SIP Trunk over Public Internet Application Notes

Sonus SBC 5XX0 5.0.0R1 IOT Skype for Business 2015 Telus SIP Trunk over Public Internet Appl

Sonus SBC 5XX0 5.0.3R0 IOT Skype for Business 2015 TELUS IP Trunking using IP Authenticatic



Sonus_SBC_5XX0_4.2.4R0_IOT_Lync_2013_5.0.8308.420_Twilio_ApplicationNotes

Sonus_SBC_5XX0_4.2.0R0_IOT_CUCM_8.6_Verizon_ApplicationNotes

Sonus_SBC_5XX0_4.2.0R0_IOT_CUCM_9.1_Verizon_ApplicationNotes

Sonus SBC 5XX0 4.2.3R0 IOT Unify OpenScape 8 R0.34.7 Verizon ApplicationNotes

Sonus SBC 5XX0 5.0.1R002 IOT Skype for Business Virgin Media SIP Trunk



Ribbon SBC Core 6.1.0R2 IOT Skype for Business Virgin Media SIP Trunk

Ribbon SBC Core 7.1.0R0 IOT Skype for Business Virgin Media SIP Trunk

Sonus SBC 5XX0 V5.0.5R0 IOT Xaccel SIP Application Note



SIP Recorders



Ribbon SBC Core 5.1.0R0 IOT Avoke Siprec Recorder

v1.0 Aug 2018



Sonus_SBC_5XX0_4.0.2R0_IOT_NICE_4.1.47_ApplicationNotes

v1.0 Mar 2014



Sonus_SBC_5XX0_4.2.4R0_IOT_Avaya_CM_6.0_SM_6.1_Verint_11.2_ApplicationNotes

v1.0 Oct 2015

Archive

IADs - SBC 5k7kSWe



Sonus_SBC_5XX0_3.0.0R0_IOT_Adtran_IAD_A2.06.00.E_ApplicationNotes v1.0 Apr 2012



Sonus_SBC_5XX0_3.0.0A001_IOT_Cisco_IAD_15.0(1)M7_ApplicationNotes v1.0 Apr 2012

PBXs - SBC 5k7kSWe



Sonus_SBC_5XX0_2.0.6R0_IOT_Avaya_CM_6.0.1_CM_6.1.1_ATT_IPTF_ApplicationNotes

Sonus_SBC_5XX0_3.0.0A011_IOT_Avaya_CS1K_ApplicationNotes

Sonus_SBC_5XX0_3.0.1R1_IOT_Avaya_CM_5.2.1_ATT_IPFR_ApplicationNotes
Sonus_SBC_5XX0_3.0.1R1_IOT_Avaya_CM_5.2.1_SM_6.0_ATT_IPFR_ApplicationNotes
Sonus_SBC_5XX0_3.0.1R1_IOT_Avaya_CM_5.2.1_SM_6.1_ATT_IPTF_ApplicationNotes
Sonus_SBC_5XX0_3.0.1R1_IOT_Avaya_CM_5.2.1_SM_6.1_ATT_IPTF_Using_AVPN_or_MIS_PNT_Application
Sonus_SBC_5XX0_3.0.1R1_IOT_Avaya_CM_5.2.1_SM_6.2_ATT_IPTF_ApplicationNotes
Sonus_SBC_5XX0_3.0.1R1_IOT_Avaya_CM_6.0.1_SM_6.1_ATT_IPFR_ApplicationNotes
Sonus_SBC_5XX0_3.0.1R1_IOT_Avaya_CM_6.2_SM_6.3_ATT_IPFR_ApplicationNotes
Sonus_SBC_5XX0_3.0.1R1_IOT_Avaya_CM_6.2_SM_6.3_ATT_IPTF_ApplicationNotes
Sonus_SBC_5XX0_3.0.1R1_IOT_Avaya_CM_6.2_SM_6.3_ATT_IPTF_Using_AVPN_or_MIS_PNT_ApplicationNc
Sonus_SBC_5XX0_3.0.2R0_IOT_Avaya_CM_5.2.1_SM_6.1_ATT_IPFR_ApplicationNotes
Sonus_SBC_5XX0_3.1.0R0_IOT_Avaya_Office_R7_ApplicationNotes



Sonus_SBC_5XX0_2.5.0R0_IOT_CUCM_8.5_ApplicationNotes
Sonus_SBC_5XX0_3.0.1R1_IOT_CUCM_9.0_ATT_IPFR_EF_ApplicationNotes
Sonus_SBC_5XX0_3.0.1R1_IOT_CUCM_9.1_ATT_IPFR_EF_ApplicationNotes
Sonus_SBC_5XX0_3.0.2R0_IOT_CUCM_7.1.5_ATT_IPFR_ApplicationNotes
Sonus_SBC_5XX0_3.0.2R0_IOT_CUCM_8.0.3_ATT_IPFR_EF_ApplicationNotes
Sonus_SBC_5XX0_3.0.2R0_IOT_CUCM_8.5_&_8.6_ATT_IPFR_ApplicationNotes
Sonus_SBC_5XX0_3.0.2R0_IOT_CUCM_8.5_&_8.6_ATT_IPFR_AVPN_or_MIS_PNT_ApplicationNotes



Sonus_SBC_5XX0_3.0.0R0_IOT_Lync_2010_ApplicationNotes
Sonus_SBC_5XX0_3.0.1R0_IOT_Lync_2010_4.0.7577.108_Verizon_ApplicationNotes
Sonus_SBC_5XX0_3.0.1R0_IOT_Lync_2010_4.0.7577.0_ATT_IPTF_ApplicationNotes



Sonus_SBC_5XX0_3.0.0R0_IOT_Mitel_3300_4.2SP2_ApplicationNotes



Sonus_SBC_5XX0_3.1.2R2_IOT_Shoretel_13.3_ATT_IPFR_EF_ApplicationNotes



Sonus_SBC_5XX0_3.0.0A011_IOT_Teles_Ecotel_16.1.2.0_ApplicationNotes



Sonus_SBC_5XX0_3.0.0R0_IOT_Cisco_2915_CUBE_15.1(4)M1_ApplicationNotes v1.0 Apr 2012

Service Providers - SBC 5k7kSWe



Sonus_SBC_5XX0_2.0.6R0_IOT_Avaya_CM_6.0.1_CM_6.1.1_ATT_IPTF_ApplicationNotes

Sonus_SBC_5XX0_3.0.1R0_IOT_Lync_2010_4.0.7577.0_ATT_IPTF_ApplicationNotes

Sonus_SBC_5XX0_3.0.1R1_IOT_Avaya_CM_5.2.1_ATT_IPFR_ApplicationNotes

Sonus_SBC_5XX0_3.0.1R1_IOT_Avaya_CM_5.2.1_SM_6.0_ATT_IPFR_ApplicationNotes

Sonus_SBC_5XX0_3.0.1R1_IOT_Avaya_CM5.2.1_SM_6.1_ATT_IPTF_ApplicationNotes

Sonus_SBC_5XX0_3.0.1R1_IOT_Avaya_CM5.2.1_SM_6.1_ATT_IPTF_Using_AVPN_or_MIS_PNT_Application

Sonus_SBC_5XX0_3.0.1R1_IOT_Avaya_CM_5.2.1_SM_6.2_ATT_IPTF_ApplicationNotes

Sonus_SBC_5XX0_3.0.1R1_IOT_Avaya_CM_6.0.1_SM_6.1_ATT_IPFR_ApplicationNotes

Sonus_SBC_5XX0_3.0.1R1_IOT_Avaya_CM_6.2_SM_6.3_ATT_IPTF_ApplicationNotes

Sonus_SBC_5XX0_3.0.1R1_IOT_Avaya_CM_6.2_SM_6.3_ATT_IPTF_Using_AVPN_or_MIS_PNT_ApplicationNo

Sonus_SBC_5XX0_3.0.1R1_IOT_CUCM_9.0_ATT_IPFR_EF_ApplicationNotes

Sonus_SBC_5XX0_3.0.1R1_IOT_CUCM_9.1_ATT_IPFR_EF_ApplicationNotes

Sonus_SBC_5XX0_3.0.2R0_IOT_Avaya_CM_5.2.1_SM_6.1_ATT_IPFR_ApplicationNotes

Sonus_SBC_5XX0_3.0.2R0_IOT_CUCM_7.1.5_ATT_IPFR_ApplicationNotes

Sonus_SBC_5XX0_3.0.2R0_IOT_CUCM_8.0.3_ATT_IPFR_EF_ApplicationNotes

Sonus_SBC_5XX0_3.0.2R0_IOT_CUCM_8.5_&_8.6_ATT_IPFR_AVPN_or_MIS_PNT_ApplicationNotes

Sonus_SBC_5XX0_3.1.2R2_IOT_Shoretel_13.3_ATT_IPFR_EF_ApplicationNotes



Sonus_SBC_5XX0_3.0.1R0_IOT_Lync_2010_4.0.7577.108_Verizon_ApplicationNotes