

Spectralink 80-Series and 60-Series Handsets

Telephone Switch Interface Matrix



Note

Only those configurations listed in this document are supported by Spectralink. Please consult with your service provider for advice on how to implement Spectralink wireless solutions in your facility.



Note

Call server interoperability information for the SpectraLink 84-Series Wireless Telephones is available in a separate document at <http://support.spectralink.com>.

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Warranty

The *Product Warranty and Software License and Warranty* and other support documents are available at <http://support.spectralink.com>.

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About This Guide

This document uses the Spectralink styles and explains how to use them and how to format the documents most efficiently. We are trying to simplify and reduce the number of styles used and their overall complexity.

Most documents have a beginning chapter like this one -- About This Guide -- which usually but not always contains the following elements.

Product Support

Spectralink wants you to have a successful installation. If you have questions please contact the Customer Support Hotline at 1-800-775-5330.

The hotline is open Monday through Friday, 6 a.m. to 6 p.m. Mountain time.

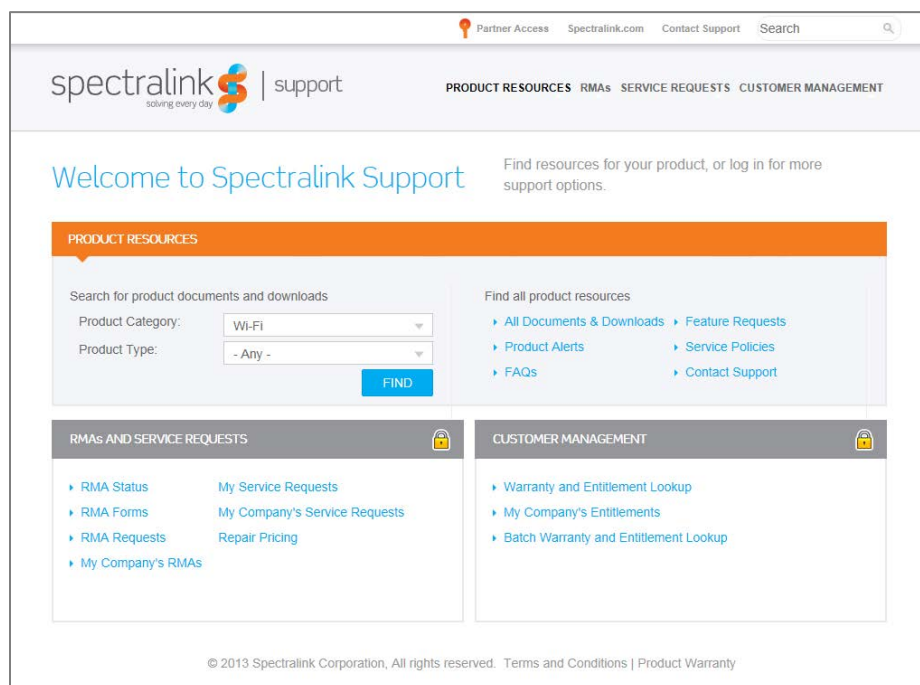
For Technical Support: <mailto:technicalsupport@spectralink.com>

For Knowledge Base: <http://support.spectralink.com>

For Return Material Authorization: <mailto:nalarma@spectralink.com>

Spectralink References

All Spectralink documents are available at <http://support.spectralink.com>.



To go to a specific product page:

Select the Product Category and Product Type from the dropdown lists and then select the product from the next page. All resources for that particular product are displayed by default under the All tab. Documents, downloads and other resources are sorted by the date they were created so the most recently created resource is at the top of the list. You can further sort the list by the tabs across the top of the list to find exactly what you are looking for. Click the title to open the link.

Chapter 1: Introduction

The Telephone Switch Interface Matrix is a detailed list of all the relevant telephony components that have been tested and are known to work with Spectralink Wireless Handsets. Only those configurations listed here are supported by Spectralink customer service personnel.



Note

The information provided in these tables is believed to be current and correct but is not guaranteed.

Four separate tables are provided:

Spectralink Release 3.0 Approved Call Servers and WLAN Infrastructure

This table lists the vendors that carry switches that are compatible with the 3.0 release. Several vendors also carry the Spectralink Wireless Handset under their own brand and these are also listed.

SIP Telephony Interfaces

SIP switches must have been tested with the Spectralink Wireless Handsets in order to qualify for a position on this table. If you already have a SIP switch, find it on this table and then determine what software version is required. The Wireless Handset Product numbers are not interchangeable. If you desire a different model number then you must select a switch that supports that exact model.

IP Telephony Interfaces

Several manufacturers have IP switches that support Spectralink wireless telephony. Most of these also carry Spectralink Wireless Handsets under their own brand. The vendor, the switch name, the switch software and the wireless handset model names and numbers are called out so that you have exact information about supported configuration by switch.

Digital Switch Interfaces


Digital switch configurations are listed for each model of Spectralink Wireless Handset. These systems are independent of computer networks, but still have exact configuration requirements.

Chapter 2: Spectralink Release 3.0

Approved Call Servers

The following products have been approved for use with Spectralink Release 3.0.(June 2010)

Call Servers	Handsets
Spectralink SIP Protocol Cisco Toshiba 3COM Mitel Digium ShoreTel Interactive Intelligence Brekeke	Spectralink 8020 and 8030 – Version 131.022 or higher
Alcatel-Lucent OXE Version 9.1	Alcatel-Lucent IP Touch 310 and 610- Version 120.023 or higher
Avaya Communication Manager Version 5.0, 5.2, 6.0	Avaya 3641 and 3645 – Version 117.052 or higher
IPO Office Version 8.0	Avaya 3641 and 3645 – Version 117.056 or higher
NEC Platforms¹ UNIVERGE® (NEC SIP) UNIVERGE 2000 IPS-RLS9 UNIVERGE 2400 IPX-RLS23 UNIVERGE SV7000-RLS23 UNIVERGE SV8500-85-107 S4 UNIVERGE SV8300-R3.5 D2 4.00	NEC MH150 and 160 – Version 131.020 or 131.031 NEC MH150 and 160 – Version 131.035
NEC iS3000 SIP@Net 4.3.1	NEC MH150 and MH160 Version 131.031
Nortel Communication Server Protocol (UNISim) BCM 50 RIs 2.0 BCM 200/400 RIs 4.0 BCM 450 RIs 1.0 CS 1000 RIs 4.5 SRG 50 RIs 3.0 SRG 200/400 RIs 1.5	Nortel 6120 and 6140 – Version 115.022 or higher

WLAN infrastructure
WLAN infrastructure is 802.11a/b/g, unless explicitly noted otherwise. WLAN infrastructure requires the use of a minimum software release as specified in the VIEW Certified Configuration Guides, available at http://www.polycom.com/support/voice/wi-fi/view_certified.html
 <p>Only those configurations listed in this document are supported by Spectralink. Please consult with your service provider for advice on how to implement Spectralink wireless solutions in your facility.</p>

¹ All escalations on iS3000 platforms must come through NEC's support organization.

Chapter 3: SIP Telephony Interfaces

Switch Vendor	Switch Supported	Switch Software Release Required	Wireless Handset Product Numbers	Wireless Handset Software Load
3Com	VCX	8.04e	Spectralink 8020/8030	131.022 or later
Avaya	Avaya Communication Manager	6.0.1 SP3	Avaya 3641/3645	113.008
Brekeke	Brekeke PBX	3.10	Spectralink 8020/8030	131.027 or later
Cisco	Unified Call Manager	5.1	Spectralink 8002	130.007 or later
	Unified Call Manager Express	7.0		
	Unified Call Manager	7.1.3	Spectralink 8020/8030	131.022 or later
	Unified Call Manager Express	7.1		
Digium	Asterisk Business Edition	1.2x	Spectralink e340/h340/i640	108.011
	Asterisk Business Edition	B.1.3.0	Spectralink 8002	130.005 or later
	Asterisk AA50 Appliance	1.1.x		
	Asterisk Business Edition	C2.3.3	Spectralink 8020/8030	131.022 or later
	Asterisk AA50 Appliance	1.1.x		
Interactive Intelligence	Interaction Center	3.0	Spectralink8020/8030	131.022
Microsoft	Lync ¹	4.0, build 7577.0	Spectralink8020/8030	131.028
Mitel	MXe 3300	10.1.40.4	Spectralink 8002	130.007 or later
			Spectralink 8020/8030	131.022 or later
	Mitel 5000	5.0.3.46	Spectralink 8020/8030	131.030 or later
NEC	UNIVERGE 2000 IPS	Release 9	NEC MH150/160	131.031
	UNIVERGE 2400 IPX	Release 23		
	UNIVERGE SV7000	Release 23		
	IS3000	Release 4.3.1		
	UNIVERGE SV8500	Release 85-107 S4		131.035
	UNIVERGE SV8300	Release R3.5 D2 4.00		
Network Equipment Technologies	Net UX 2000 ¹	Release 1.0.2v211	Spectralink 8020/8030	131.028
PingTel	SIPxchange Enterprise	3.10.1	Spectralink 8002	130.007 or later
			Spectralink 8020/8030	131.022 or later
ShoreTel	ShoreTel ShoreGear	ShoreWare 8.0-9.2	Spectralink 8002	130.009 or later
		ShoreWare 14.1	Spectralink 8020/8030	131.038 or later
Sutus	BC200	1.6.1	Spectralink 8002	130.005
Toshiba	Strata CIX	AR5.20 MT009.00	Spectralink 8002	130.007 or later
			Spectralink 8020/8030	131.022 or later

¹The Microsoft Lync server requires the Network Equipment Technologies NET UX server configured as its gateway.



Note

Feature sets vary from call server to call server. Refer to the individual Product Bulletins on the Spectralink Resource Center (PRC) for specific feature sets pertaining to each of these call servers. Information may also be found in the *Spectralink 8020/8030 Wireless Handset SIP Feature Matrix*.



Note

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Chapter 4: IP Telephony Interfaces

Switch Vendor	Switch Supported	Software Release Required	Wireless Handset Product Numbers	Handset Set Emulated
Alcatel-Lucent ¹	OmniPCX Office (OXO)	R5.x, R6.0, R6.1	Alcatel-Lucent IP Touch 310 & 610 Wireless LAN Handsets	Set is similar to Alcatel-Lucent IP Touch.
	OmniPCX Enterprise (OXE)	R7.1, R8.0, R9.1		
Avaya ²	Communication Manager	5.0, 5.2, 6.0	Avaya 3616, 3620, 3626, 3641, 3645 IP Wireless Telephone	Avaya 4612 IP Telephone
	IP Office	3.0, 3.1	3616, 3620, 3626 IP Wireless Telephone	
		IPO 8.0	3641, 3645 IP Wireless Telephone ³	
	Communications Server (CS)1000	CS1000 R4.5, 5.0, 5.5	Nortel WLAN Handset 2210, 2211, 2212,	Nortel i2004 Internet Handset
	Communications Server (CS)1000	CS1000 R4.5, 5.0, 5.5, 6.0	WLAN Handset 6120, 6140	
	Communications Server (CS)2000	SN09, SN10	WLAN Handset 2210, 2211, 2212	
	Communications Server (CS)2100	SE09, SE10	WLAN Handset 2210, 2211, 2212	
Cisco Systems	CallManager	3.x, 4.1, 4.3, 5.x	Spectralink e340 PTE110, PTE111, Spectralink i640	Cisco IP Phone 7960
	CallManager Express	3.2	PTX110, PTX111	
	IPS 2400	RLS8 H1 7.98		

¹ Available only through Alcatel-Lucent and Alcatel-Lucent authorized distributors.

² Available only through Avaya and Avaya authorized distributors.

³ Use Avaya handset software version 117.056 or later.



Note

Only those configurations listed in this document are supported by Spectralink. Please consult with your service provider for advice on how to implement Spectralink wireless solutions in your facility.

IP Telephony Interfaces (cont'd)

<i>Switch Vendor</i>	<i>Switch Supported</i>	<i>Software Release Required</i>	<i>Wireless Handset Product Numbers</i>	<i>Handset Set Emulated</i>
Inter-Tel ⁴	Axxess	8.2	Inter-Tel Model 8664, 8665, 8668 Wireless IP Phone	Inter-Tel Model 8660
	IT 5000	1.1 ⁵		
Mitel Networks	3300 ICP (any controller) ⁶	5.1, 6.0 and 7.0 4.1.9.4 to 5.0	Spectralink e340 PTE140, PTE141, Spectralink h340 PTN140, PTN141 Spectralink i640 PTX140, PTX141	Spectralink
	SX-200 ICP (any controller) ⁶	2.1		Mitel 5220 IP Phone
NEC Protims	UNIVERGE 2000 IPS	RLS16	NEC MH110, MH120, MH140h	NEC 16LD

⁴ Available only through Inter-Tel and Inter-Tel authorized distributors.

⁵ Version 1.2 or higher requires a Category C license per handset.

⁶ Supported Mitel platforms: 3300 LX, 3300 MX, 3300 CX, 3300 CXi, SX-200 ICP, SX-200 MX, Sprint i4.

**Note**

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Chapter 5: Digital Switch Interfaces



Note

Switch vendors are responsible for notifying Spectralink of changes to their respective systems and/or requesting updated qualification of new systems.

Switch Vendor	Switch Supported	SL 6100 PNs	SL 6300 PNs	SL 8000 PNs	Handset Set Emulated	Port Card Required	Software Release Required
Any	Any PBX, some KSUs	SCA5xx	CPA316	TGA116 TGA216	Analog (aka '2500 type', 'Industry Standard Handset' or 'Tip-Ring' set)	Analog port card (some KSUs require analog handset adapters or interface units)	N/A
Avaya	Definity G3 ¹ (2-wire)	SCD5xx	CPD316	TGD116 TGD216	8410D Digital Voice Terminal	TN2181, TN2224, TN2224B, TN2224CP, TN2214B, TN2214CP	G3V2
	Definity G1, G2, G3 (4-wire)	SCF5xx	CPF316	TGF116 TGF216		TN754 v11 or higher, TN754B v11 or higher	R3 ²
	Merlin Legend ³ Merlin Magix (4-wire)	SCF5xx	CPF316		MLX-16DP	408 GS/LS MLX Module or 008 MLX Module	Any
	Avaya S8700/S8500 S8300/S8100 with G700/G600 Media Gateway Interface	SCD5xx	CPD316	TGD116 TGD216	8410D Digital Voice Terminal	MM712/MM717 DCP Media Module	
Comdial	DX, DXP	SCD5xx	CPD316	TGD116 TGD216	8012S Impact Speakerphone	DXDST-8, DXDST-16	Any
	FX, FX II					FXLDS-16, FXSDS-16	(14A)
	DSU II					DXDST-8, DXDST-16	Any
Fujitsu	F9600	SCD5xx	CPD316	TGD116 TGD216	DT14DS	B16DLA, B16DLC, B16DLE	Any
Inter-Tel	Axxess, Axxent	SCD5xx	CPD316	TGD116 TGD216	Standard Digital Keypad	Digital Keypad Card (DKSC, DKSC-16)	4.4
	Eclipse				Associate		5.2xx
	IT 5000 (DEI) ⁴					DEM	1.1
Mitel	SX-50, SX-200	SCX516	CPM316	TGX116 TGX216	Superset 420	Digital / DNIC Line Card or Module	Any
	SX-2000					DNIC Line Card	
	3300 ICP					DNIC Line Card	

¹ Includes Definity One, BCS, ECS, Prologix, and Guestworks platforms.

² Releases earlier than R3 require the port be programmed as a 74xx type set. Menu functions will not be supported.

³ Merlin II may be easily upgraded to Merlin Legend. The customer should contact his or her telecom supplier.

⁴ Digital Expansion Interface.



Note

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Digital Switch Interfaces (cont'd)

Switch Vendor	Switch Supported	SL 6100 PNs	SL 6300 PNs	SL 8000 PNs	Handset Set Emulated	Port Card Required	Software Release Required
NEC	NEAX 2000	SCD5xx	CPD316	TGD116 TGD216	Dterm Series III or E (ETJ-16DC-2)	4DLCA, 4DLCD, 4DLCQ	1600
	NEAX 2000 IVS					8DLCP	D1-4.01
	NEAX 2400					16ELCH, 16ELCJ	5200
Nortel	Option 11C Mini	SCN5xx ⁶	CPN316 ⁶	TGN116 TGN216 ⁶	M2616 Modular Handset w/ display	NTDK16	Version 25.1
	SL-1	"	"	"		QPC578	X11 rel. 14
	SL-100 ⁷ with IPE shelf	"	"	"	"	NT8D02EA, NT8D02EB, NT8D02GA, NT8D02HA	
	Meridian 1 (incl. Remote Shelf)						
	CS1000						
	Norstar Modular ICS	SCD5xx	CPD316	TGD116 TGD216	M7310 Handset	(only one type)	DR1-DR5
	Norstar Compact ICS 616, 824						Any
Norstar BCM (Digital)					DSM 16, DSM 32	Any	
Siemens /Rolm	8000 CBX; 9000 CBX	SCD5xx	CPD316	TGD116 TGD216	RolmPhone 400	Rolm Phone Interface (RPI)	Any
	9751 CBX Models 10 – 70					RPI	9005 or earlier
	9751 CBX Models 30 & 80, 9200 CBX, Hicom 300E					SLMR, SLMR-16, SLMR3	9006
	Hicom 150/ HiPath 3000	SCH516 ⁸	CPH316 ⁸	LKO: TGH116 ⁸	optiset E Basic	SLMO24, SLU8	Any
	Hicom 300/ HiPath 4000				optiset E Standard	SLMO	Any
Toshiba	Strata DK280, DK24, DK96, DK424, CTX 100, CTX 670	SCD5xx	CPD316	TGD116 TGD216	2020SD Digital Handset	PDKU, PDKU2, PDKU2A, BDKU/S, ADKU, BWDKU ⁹	Any

⁶ The Nortel Meridian interfaces SCN5xx, CPN316, and TGN116/TGN216 also include the digital interface options available on SCD5xx, CPD316, and TGD116/TGD216 respectively.

⁷ Intelligent Peripheral Expansion shelf must be installed to operate an M2616 port on an SL-100.

⁸ SCH516, CPH316 and LKO:TGH116 are available through Siemens and Siemens authorized distributors. The wireless handset product names for the Spectralink 8000 System are the Siemens optiPoint W1/WL1 professional handsets. SCH516 and CPH316 also include the same digital interface options available on SCD516, CPD316, and TGD116/TGD216 respectively.

⁹ Toshiba BWDKU card is supported in version 53.028 or higher of the Spectralink 6100 MCU and in version 43.085 and higher on the Spectralink 6300 MCU. Toshiba BWDKU card is supported on the Spectralink 8000 Telephony Gateway version .082 and higher.

**Note**

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