



XOP Networks' Interoperability Matrix

Release 6.1

January 1, 2013

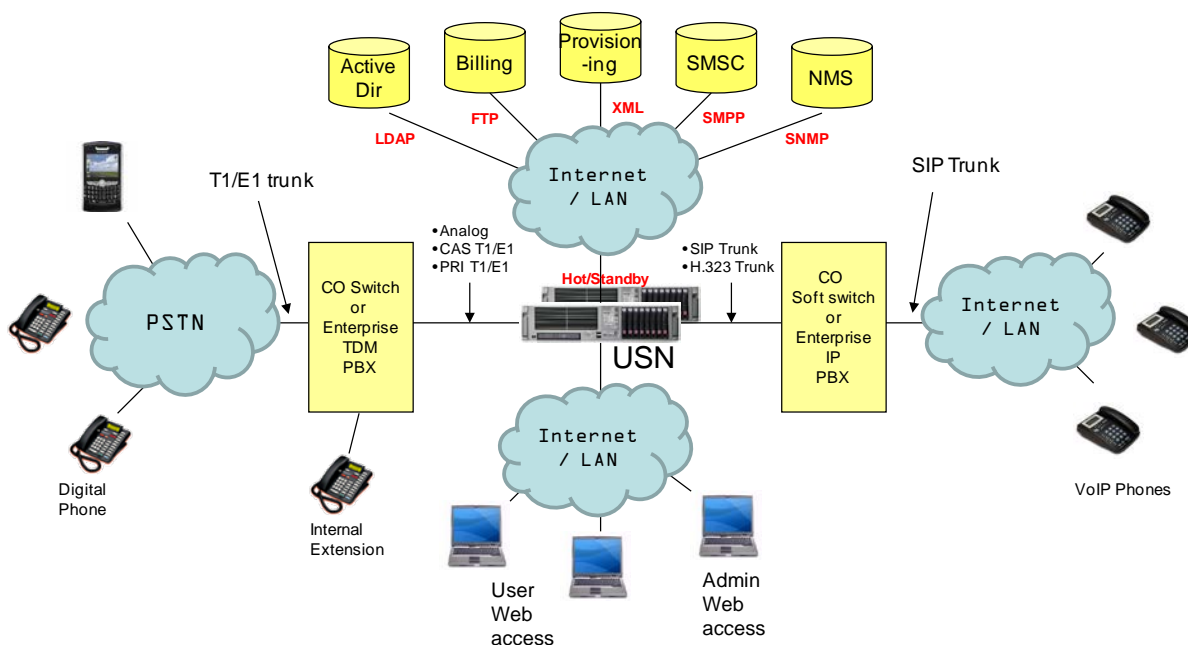
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XOP Networks Universal Service Node (USN) and other products are deployed in Carrier and Enterprise networks. In such networks our products interface with a number of third party PBXs, IP PBXs, Central Office Switches, Soft Switches, Media Gateways and back office network elements.

The Figure below shows a pictorial of a typical USN deployment with Release 6.1.



Multiple signaling interface types allow product to be deployed in TDM or VoIP or hybrid networks. Variety of interfaces available for Back Office Integration.

Figure 1.0 – USN Network Deployment

The table below provides a list of various Central Office Switches, Soft Switches, PBXs, Hybrid/IP PBXs and other peripheral network elements with whom our products have proven interoperability in the field. Also shown are specific trunking interfaces and the signaling protocols in use.

Table 1.0

XOP Networks Interoperability Matrix - 1/1/2013			
Manufacturer	Central Office Switch	Interface	Protocol
Lucent	#5ESS	Analog	Loop Start, Centrex
Lucent	#5ESS	T1	ISDN PRI
Nortel	DMS-10	T1	CAS T1, E&M
Nortel	DMS-100	T1	ISDN PRI
Mitel	GX-5000	T1	CAS T1, E&M, MF
Mitel	GX-5000	T1	CAS T1, E&M, DTMF
Sonus	GSX-9000	T1	CAS T1, E&M
DSC	DEX-600	T1	ISDN PRI
Siemens	EWSD	E1	ISDN PRI
Coppercom	CSX	T1	ISDN PRI
Taqua	T-7000	T1	CAS T1, ISDN PRI
Ericsson	AXE 10	E1	ISDN PRI
Huawei	CO Switch	E1	ISDN PRI
Siemens/Genband	DCO	T1	CAS T1, E&M, DTMF
ZTE	ZTE	E1	ISDN PRI
Manufacturer	IP Soft Switch	Interface	Protocol
Broadsoft	Broadworks VoIP	Ethernet	SIP Trunk
Meta switch	MetaSwitch	Ethernet	SIP Trunk
Emergent	Softswitch	Ethernet	SIP Trunk
Nortel	CS 1500	Ethernet	SIP Trunk
Nortel	DMS10+PGI	Ethernet	SIP Trunk
Taqua	T-7000	Ethernet	SIP Trunk
Huawei	TX3000	Ethernet	SIP Trunk
Manufacturer	PBX	Interface	Protocol
Toshiba	DK-280	Analog	Loop Start Trunk
Inter-tel	GLX	T1	CAS T1, Loop Start
Ericsson	MD-11	Analog	Loop Start Trunk
Panasonic	TD-500	T1	CAS T1, E&M
Panasonic	TD-600A	T1	ISDN PRI
Aastra	MX-ONE	E1	ISDN PRI
Avaya	8710	T1	CAS T1, E&M
Avaya	AVAYA G3i R9.5	T1	ISDN PRI
Avaya	8730	E1	ISDN PRI
Nortel	Meridian 81c	T1	ISDN PRI
Nortel	SL-100	T1	ISDN PRI
Nortel	Meridian 81c	Analog	FXO, Loop Start
NEC	NEAX 2400 IPX	T1	ISDN PRI, CAS T1 E&M
NEC	NEAX 2000 IPS	T1	ISDN PRI, CAS T1 E&M
NEC	Univerge 7000 IVS	T1	ISDN PRI, CAS T1 E&M
NEC	Univerge SV 8500	T1	ISDN PRI, CAS T1 E&M
Cisco	Call Mgr 4.1	T1	ISDN PRI
Cisco	Call Mgr express	T1	ISDN PRI

Cisco	Call Manager 7.1	T1	ISDN PRI
Mitel	SX2000	T1	ISDN PRI
Mitel	SX2000	T1	CAS T1 E&M
Adtran	Call Distributor	T1	ISDN PRI
Tadiran	Coral	E1	ISDN PRI
Manufacturer	Hybrid/ IP PBX	Interface	Protocol
Aastra	MX-ONE	Ethernet	SIP Trunk
Avaya	IP Office 4.0+	Ethernet	H.323 Trunk
Avaya	IP Office 500	Ethernet	SIP Trunk
Avaya	8800	Ethernet	SIP Trunk
Avaya	8730, Aura CM6	Ethernet	H.323 Trunk
NEC	Univerge 7000 IVS	Ethernet	Station Side SIP
NEC	NEAX 2000 IPS	Ethernet	SIP Trunk
NEC	Spherically, 3C	Ethernet	SIP Trunk
NEC	Univerge SV 8100	Ethernet	SIP Trunk
NEC	Univerge SV 8300	Ethernet	SIP Trunk
NEC	Univerge SV 8500	Ethernet	SIP Extension
Cisco	Call Mgr express	Ethernet	SIP Trunk
Cisco	Call Mgr 4.1	Ethernet	SIP Trunk
Cisco	Call Mgr 6.1	Ethernet	H.323 Trunk
Cisco	Cube	Ethernet	SIP Trunk
Cisco	UC560	Ethernet	SIP Trunk
Asterisk	Asterisk Server	Ethernet	Station Side SIP
Asterisk	Asterisk Server	Ethernet	SIP Trunk
Asterisk	Asterisk Server	T1	ISDN PRI
Asterisk	Asterisk Server	Analog	FXO, Loop Start
Toshiba	CIX 40, 100, 1200	Ethernet	Station Side SIP
Toshiba	IPedge EP, EC, EM	Ethernet	Station Side SIP
3COM	NBX	Ethernet	SIP Trunk
Mizu	Mizu	Ethernet	SIP Trunk
nSoft	nSoft	Ethernet	SIP Trunk
SIP Trunk Provider	British Telecom	Ethernet	SIP Trunk
SIP Trunk Provider	Broadvox	Ethernet	SIP Trunk
Panasonic	TDE600	Ethernet	SIP Trunk
FreeSwitch	FreeSwitch	Ethernet	SIP Trunk
Tadiran	Aeonix	Ethernet	SIP Trunk
Manufacturer	Voice Gateway	Interface	Protocol
Audio Codes	MP118 FXS, MP124 FXS	Ethernet	SIP
Dialogic	PIMG-8 FXO	Ethernet	SIP
Dialogic	IMG 1010	Ethernet	SIP
Multi-VoIP	Voice gateway	Ethernet	SIP
Multi-VoIP	Voice gateway	Ethernet	H.323
Quintum/NET	Voice gateway	Ethernet	SIP
Manufacturer	SMSC Gateway	Interface	Protocol
Acision	SMSC Gateway	Ethernet	SMPP 3.4

Aerialink	SMSC Gateway	Ethernet	SMPP 3.4
Manufacturer	Billing Server	Interface	Protocol
Keenan	Billing Server	Ethernet	XOP API - Custom
Manufacturer	Provisioning Server	Interface	Protocol
MetaSolv	Provisioning CRM	Ethernet	XOP API - XML based
Manufacturer	External Database	Interface	Protocol
Microsoft	Active Directory	Ethernet	LDAP
Novell	Groupwise	Ethernet	LDAP
Acision	Pre-Service Delivery Agent	Ethernet	Proprietary
Manufacturer	Session Border Controller	Interface	Protocol
Acme Packet	Convergence SBC	Ethernet	SIP Trunk

Please contact XOP Networks Marketing (marketing@xopnetworks.com) if there are any products that are not mentioned on the above list.