

VoIP Comparison - SmartNode Products by Interface Type

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Analog	M-ATA	SN4110	SN4520	SN4830 DSL	SN4830 Serial	SN4300	SN4400*	SN4900
Product Photo								
Embedded Software	SmartLink™	SmartWare™	SmartWare™	SmartWare™	SmartWare™	SmartWare™	SmartWare™	SmartWare™
Telephony Interfaces	FXS	FXS & FXO	FXS & FXO	FXS & FXO	FXS & FXO	FXS or FXO	FXS or FXO	FXS or FXO
Number of Telephony Ports	1	2,4,6 or 8	2,4,6 or 8	2,4,6 or 8	2,4,6 or 8	12,16,24 or 32	12,16,24 or 32	12,16,24 or 32
Call Capacity	1	2,4,6 or 8	2,4,6 or 8	2,4,6 or 8	2,4,6 or 8	12,16,24 or 32	12,16,24 or 32	12,16,24 or 32
VoIP Gateway Converts TDM to IP	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
IP Router IP Routing, QoS, VPN, etc.			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Number of Ethernet Ports	1 10/100	1 10/100	2 10/100	1 10/100	1 10/100	1 10/100	2 10/100	2 10/100
WAN Access				G.SHDSL Serial X.21 Serial V.35 ADSL				(Optional) Serial X.21 Serial V.35

*The SN4400 only differs from the SN4900 in that it has WAN access, a single internal power supply, and 0° to 40° C operating temperature.









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T1 / E1 / PRI	SN4170*	SN4970*	SN4980*	SN4990*
Product Photo				
Embedded Software	Trinity™	SmartWare™ or Trinity™	SmartWare™ or Trinity™	SmartWare™ or Trinity™
Telephony Interfaces	T1/E1/PRI	T1/E1/PRI	T1/E1/PRI	T1/E1/PRI
Number of Telephony Ports	1 or 2	1 or 4	1 or 4	1 or 4
Call Capacity	15 to 30	15, 24, 30, 48, 60, 96, or 120	15, 24, 30, 48, 60, 96, or 120	15, 24, 30, 48, 60, 96, or 120
VoIP Gateway Converts TDM to IP	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
IP Router IP Routing, QoS, VPN, etc.			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Number of Ethernet Ports	1 10/100/1000	1 10/100/1000	2 10/100/1000	2 10/100/1000
WAN Access				G.SHDSL Serial X.21 Fiber ADSL EFM
Transcoding Interconnect multiple VoIP networks			Optional	Optional








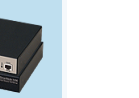
* Next generation model with IPv6 upgradeable hardware.

High Density SS7	SN10100	SN10200			SN10300		
Product Photo							
Embedded Software	SmartMedia™	SmartMedia™			SmartMedia™		
Telephony Interfaces	T1/E1/PRI	T1/E1/PRI	DS3	STM-1	T1/E1/PRI	DS3	STM-1
Number of Telephony Ports	4 to 8	16 to 64	1, 2 or 3	1	16 to 1024	1, 2 or 3	1 to 15+1







Call Capacity	120 or 240	Up to 2,048	Up to 32,768
VoIP Gateway Converts TDM to IP	✓	✓	✓
Number of Ethernet Ports	2 10/100/1000	2 10/100/1000	2 10/100/1000

ISDN BRI	SN-DTA	SN4120	SN4130* IPv6	SN4630	SN4650 ADSL	SN4650 G.SHDSL	SN4660	SN4670
Product Photo								
Embedded Software	SmartWare™	SmartWare™	Trinity™	SmartWare™	SmartWare™		SmartWare™	SmartWare™
Telephony Interfaces	BRI (NT or NT + TE)	BRI (TE)	BRI	BRI	BRI		BRI,FXS & FXO	BRI,FXS & FXO
Number of Telephony Ports	1 or 2	1 or 2	2 or 4	3 or 5	3 or 5		up to 12	up to 12
Call Capacity	2 or 4	2 or 4	4 or 8	4 or 8	4 or 8	up to 8	up to 36	up to 36
VoIP Gateway Converts TDM to IP	✓	✓	✓	✓	✓		✓	✓
IP Router IP Routing, QoS, VPN, etc.				✓	✓		✓	✓
Number of Ethernet Ports	1 10/100	1 10/100	1 10/100	2 10/100	1 10/100		4 10/100	4 10/100/1000
WAN Access					G.SHDSL Serial X.21 Serial V.35 ADSL			ADSL G.SHDSL Fiber EFM

* Next generation model with IPv6 upgradeable hardware.

IAD	SN4650 ADSL	SN4650 G.SHDSL	SN4670	SN4830 DSL	SN4830 Serial	SN4900	SN4990* IPv6	SN5200	SN5300 IPv6	SN5490* IPv6
Product Photo										
WAN Access	G.SHDSL Serial X.21 Serial V.35 ADSL	ADSL G.SHDSL Fiber EFM	G.SHDSL Serial X.21 Serial V.35 ADSL	(Optional) Serial X.21 Serial V.35	G.SHDSL Serial X.21 Fiber ADSL EFM	(Optional) X.21	G.SHDSL.bis (ATM or EFM)	G.SHDSL Fiber X.21 EFM		
Embedded Software	SmartWare™	SmartWare™	SmartWare™	SmartWare™	SmartWare™	SmartWare™	SmartWare™	Trinity™	SmartWare™ or Trinity™	
Telephony Interfaces	BRI	BRI,FXS & FXO	FXS & FXO	FXS & FXO	T1/E1/PRI	N/A	N/A	N/A		
Number of Telephony Ports	3 or 5	up to 12	2,4,6 or 8	12,16,24 or 32	1 or 4	N/A	N/A	N/A		
Call Capacity	4 or 8	up to 8	up to 36	2,4,6 or 8	12,16,24 or 32	15, 24, 30, 48, 60, 96, or 120	N/A	N/A		
VoIP Gateway Converts TDM to IP	✓	✓	✓	✓	✓	✓	✓	✓		
IP Router IP Routing, QoS, VPN, etc.	✓	✓	✓	✓	✓	✓	✓	✓		
Number of Ethernet Ports	1 10/100	4 10/100/1000	1 10/100	2 10/100	2 10/100/1000	5 10/100	4 10/100	2 10/100/1000		
Transcoding Interconnect multiple VoIP networks						Optional		✓		

* Next generation model with IPv6 upgradeable hardware.

ESBR	SN5200	SN5300 IPv6	SN5480* IPv6	SN5490* IPv6	SN5530* IPv6	SN5570* IPv6
Product Photo						
Embedded Software	SmartWare™	Trinity™	SmartWare™ or Trinity™	SmartWare™ or Trinity™	Trinity™	Trinity™
Telephony Interfaces	N/A	N/A	N/A	N/A	2 or 4 BRI	1 or 2 PRI
SIP Sessions	Up to 32	Up to 256	Up to 196	Up to 196	Up to 512	Up to 512
Transcoded Calls	N/A	N/A	Up to 64	Up to 64	2 or 4	16
IP router IP Routing, QoS, VPN, etc.	✓	✓	✓	✓	✓	✓
Number of Ethernet Ports	5 10/100	4 10/100	2 10/100/1000	2 10/100/1000	2 10/100/1000	2 10/100/1000
Transcoding			✓	✓	✓	✓

WAN Access	(Optional) X.21	G.SHDSL.bis (ATM or EFM)		G.SHDSL Fiber X.21 EFM		
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* Next generation model with IPv6 upgradeable hardware.

VoIP Appliances	SNBX	SNBXGW	SNOGA	SN-OSB
Product Photo				
Operating System (OS)	Win 7	Win 7	None	SUSE - Linux
Software	3CX	3CX	N/A	Unify - OpenScape Business
Telephony Interfaces	None	BRI/PRI FXS/FXO	BRI/PRI FXS/FXO	BRI/PRI FXS/FXO
IP Router IP Routing, QoS, VPN, etc.		✓	✓	✓
Number of Ethernet Ports	1	4 up to 6	4 up to 6	4 up to 6
Transcoding Interconnect multiple VoIP networks		✓	✓	✓

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