



Encore's VoIP - SIP

SIP Packages

- BP** – Basic Package (for PSTN analog phone replacement)
- SP** – Standard Package (for low cost ATA and IP Phones)
- EP** – Enhanced Package (for rich VoIP end points)

Add-Ons

1. **FXO** – Supports FXO / PSTN interface, and call bridging between TDM and IP. This add-on is available for all packages.
2. **SEC** – Supports TLS transport, certificate provisioning and “sips” URI scheme. This add-on is available for SP and EP.

Also Available Separately

1. Processor optimized Speech / Fax / Tone Processing modules:
 - Speech codecs, fax / data modems, tone detection / generation, gain / volume control and echo cancellation.
2. RTP, RTCP, SRTP, T.30/T.38
3. Completely integrated multi-channel (# of channels limited by speed & memory) ATA / IP Phone solution on following processors:
 - PowerQUICCII, ARM (OMAP, i.MX, Micrel-Kendin), ColdFire, BlackFin, dsPIC, ZSP.
4. 2-4 Line LCD User Interface for IP Phones.

Features	Package Code			RFCs (Default Set = 1321, 2327, 2782, 2915, 3261, 3263, 3264). Additional RFCs for feature as specified below
	BP	SP	EP	
Register With Periodic Automatic Refresh	✓	✓	✓	Default
Call Originate	✓	✓	✓	Default
Call Receive	✓	✓	✓	Default
Call Reject		✓	✓	Default
Call Cancel	✓	✓	✓	Default
Call Terminate	✓	✓	✓	Default
Call Hold	✓	✓	✓	Default
Call Waiting		✓	✓	Default
Call Forwarding				
▪ Unconditional	✓	✓	✓	Default
▪ On Busy	✓	✓	✓	Default
▪ On No Answer		✓	✓	Default
Call Transfer				
▪ Normal Transfer	✓	✓	✓	Default, 3515, 3892
▪ Attended Transfer		✓	✓	Default, 3515, 3891, 3892
3-Way Call Conference				
▪ Third Party Added		✓	✓	Default
▪ Third Party Joining			✓	Default, 3265, 3911

Features	Package Code			RFCs (Default Set = 1321, 2327, 2782, 2915, 3261, 3263, 3264). Additional RFCs for feature as specified below
	BP	SP	EP	
Fax Call				
▪ Pass Through	✓	✓	✓	Default
▪ T.38		✓	✓	Default (T.38 not required for SIP, but required for media)
Sending / Receiving Instant Message (IM)	✓	✓	✓	Default, 3428
Message Waiting Indicator (MWI)		✓	✓	Default, 3265, 3842
Call Park			✓	Default, 3515, 3892
Call Pickup			✓	Default, 4235
Hot Line			✓	Default
Group Calling			✓	Default
Secretary Service			✓	Default
Abbreviated Dialing			✓	Default
Do Not Disturb			✓	Default
Wake-Up Service			✓	Default
Call Back			✓	Default, 4235
Call Mute		✓	✓	Default
Caller ID				
▪ Remote Caller Id Presentation	✓	✓	✓	Default
▪ Anonymous Call Blocking		✓	✓	Default
▪ Caller Id Blocking		✓	✓	Default
Session Audits			✓	Default, 4028
SIP Transport				
▪ UDP	✓	✓	✓	Default
▪ TCP		✓	✓	Default
▪ TLS		SEC	SEC	Default
NAT Traversal				
▪ Symmetric Response Routing	✓	✓	✓	3581
▪ STUN		✓	✓	3489
▪ STUNbis			✓	STUNbis
▪ TURN			✓	Draft-ietf-behave-turn-xx
Call Bridging (PSTN – IP and IP – PSTN)	FXO	FXO	FXO	Default
Music On Hold			✓	Default
Presence			✓	Default, 3265, 3903
Application Configuration Parameters				
▪ IP Address	✓	✓	✓	
▪ Domain Name Server	✓	✓	✓	
▪ Proxy / Registrar Server	✓	✓	✓	
▪ User ID	✓	✓	✓	
▪ Password	✓	✓	✓	
▪ Display Name	✓	✓	✓	
▪ Preferred Transport		✓	✓	

Features	Package Code			RFCs (Default Set = 1321, 2327, 2782, 2915, 3261, 3263, 3264). Additional RFCs for feature as specified below
	BP	SP	EP	
▪ STUN Server			✓	
▪ SIP & RTP Port	✓	✓	✓	
▪ RTCP Port		✓	✓	
▪ Flash Hook Time	✓	✓	✓	
▪ Inter-digit Time	✓	✓	✓	
▪ Codec Preference Specification	✓	✓	✓	
▪ Enable / Disable VAD For Codecs	✓	✓	✓	
▪ Enable / Disable Call Features		✓	✓	
▪ Country Specific & Custom Tone Settings		✓	✓	
▪ Other Media configuration (like EC, PLC etc.)		✓	✓	
▪ Self Domain Name (Used with DDNS or DNS)			✓	
▪ Security Certificate Provisioning		SEC	SEC	
▪ Abbreviated Dialing Address Book			✓	
▪ Hot Link			✓	
▪ Group Specification for Group Calling			✓	
▪ Park Server			✓	
▪ Fax Parameters			✓	
▪ Port Type (FXS or FXO)	FXO	FXO	FXO	
▪ Speech parameters like Ptime, VAD	✓	✓	✓	
Management Interfaces				
▪ Web Based Configuration	✓	✓	✓	
▪ SNMP Configuration APIs		✓	✓	

For further information please visit our web site, <http://www.ncoretech.com> or email to: ip@ncoretech.com