

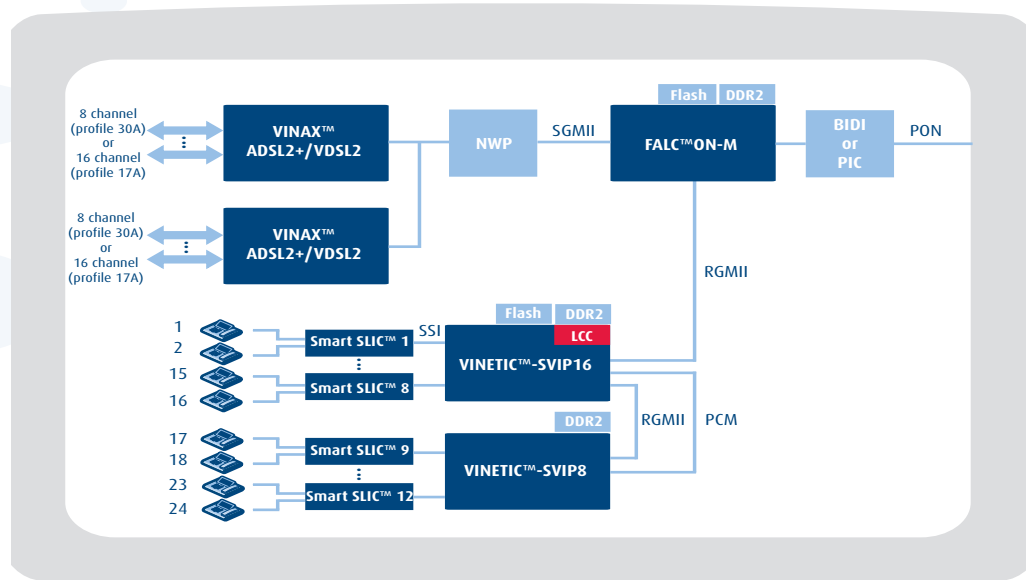
Lantiq™ VINETIC™-SVIP

Next Generation VoIP Access Solution

Fully flexible, scalable & upgradable

- One VoIP system concept for all access technologies (POTS, ISDN, IVD)
- 4-, 8- and 16-channel CODEC/SLIC architecture with slim digital interfaces for optimized density (6-8 layer design, 96 channels)
- Integration of network processor allows for highest density designs and optimum flow of VoIP packets
- Integrated linecard controller
- No internal memory limitation for future feature upgrades
- Full wideband support
- High availability with any coder at any time

24ch GPON MDU (VOICE + DSL)



Product Summary

Sales Code	PEF 33616	PEF 33608	PEF 33604	PEF 33600
Product name	VINETIC™-SVIP16	VINETIC™-SVIP8	VINETIC™-SVIP4	VINETIC™-SVIPO
Package	PG-FCLBGA-323			
Integrated LCC	boot option			
VoIP channels (G.729A/B)	16	8	4	16
VoIP channels (G.711)	32	16	8	32
VoIP channels (G.722)	16	8	4	16
Analog channels	16	8	4	0
PCM interface	multiple			
VoIP interface	MII, GMII, RGMII			
Coders	G.711, G.726, G.729A/B, G.723.1, G.722, G.722.1, G.722.2, G.729.1, UEMCLIP, iLBC, AMR, T.38			
Supply voltage	1.5/1.8/3.3 V			
Signal processing	Carrier-class LEC, tone generation and detection of all required network tones, RFC 2833/4733/4743			
Security	AES, DES, 3DES, SHA-1, MD-5, HW acceleration			
Integrated line testing	CO-grade with test head accuracy (including board production tests)			

Sales Code	PEF 42065	PEF 42065-2	PEF 42066	PEF 42066-2	PEF 42064
Product name	Smart SLIC™-R	Smart SLIC™-R2	Smart SLIC™-P	Smart SLIC™-P2	Smart SLIC™-S
Package	PG-LQFP-64				
	pin-to-pin compatible		pin-to-pin compatible		
DC feeding	50 mA	50 mA	50 mA	50 mA	50 mA
Max. battery supply	+/- 85 V	+/- 85 V	-150 V	-150 V	-125 V
Balanced ringing	85 V _{RMS}	85 V _{RMS}	85 V _{RMS}	85 V _{RMS}	70 V _{RMS}
Unbalanced ringing	internal/external	internal/external	internal/external	internal/external	internal
External ringing support	yes	yes	yes	yes	no
Longitudinal balance	53 dB	60 dB	53 dB	60 dB	53 dB
On-hook transmission	yes	yes	yes	yes	yes
Battery rails (neg./pos.)	2(+1ext)/1	2(+1ext)/1	3(+1ext)/0	3(+1ext)/0	2+1on-hook/0
Supply voltages	1.5/ 3.3 V	1.5/ 3.3 V	1.5/ 3.3 V	1.5/ 3.3 V	1.5/ 3.3 V
Make & break dial-tone test	yes	yes	yes	yes	no
Stand-by low power mode	yes	yes	yes	yes	yes
Wideband support	yes	yes	yes	yes	yes
DSL friendly	yes	yes	yes	yes	yes
Integrated line testing	yes	yes	yes	yes	yes

* Linux® is the registered trademark of Linus Torvalds.

* VxWorks® is a registered trademark of Windriver Systems, Inc.



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Order Number: PB-e-0049-v2