

PRODUCT PREVIEW

THE VOICEEDGE™ VE792 NGCC SERIES PROVIDES A TOTAL LINE CARD SOLUTION FOR NEXT GENERATION NETWORKS, GIVING CUSTOMERS TURN-KEY SOLUTION FOR NEXT GENERATION MSAN AND MDU DESIGNS WITH FULL CALL CONTROL AGGREGATION AND TEST-HEAD-GRADE INTEGRATED LINE TESTING.

The VE792 Next Generation Carrier Chipset series is a high-performance, highly programmable integrated voice chip set that performs all the functions necessary to create a 2-wire, twisted pair telephone interface from any broadband digital source. The VE792 includes an 8-channel programmable codec along with line interface circuit designed on proprietary 175 V bi-polar dielectrically isolated process technology along with complete system-level software including call control and integrated line test with lowest bill of material.



Features

- ➔ Designed to work in a “Triple Play” environment
- ➔ Meets worldwide POTS performance standards
- ➔ Optimized for higher density board design
- ➔ Lower overall cost
- ➔ Higher integrated test accuracies
- ➔ Wideband 7.0 kHz codec mode
- ➔ Internal and external ringing options

Benefits

- ➔ Enhanced line control to minimize transients
- ➔ On-chip DTMF decoder
- ➔ Testing for up to 128 lines
- ➔ Comprehensive loop diagnostics that meet or exceed GR-844 requirements and its subset, GR-909
- ➔ A Comprehensive and easy to use API software interface to abstract the telephony functions and low level programming of the devices
- ➔ API software for applications not requiring VCP II

Applications

- ➔ Central Office (CO)
- ➔ Digital Loop Carrier (DLC)
- ➔ Integrated Voice and Data (IVD)
- ➔ Voice Enabled DSLAM
- ➔ PBX / KTS
- ➔ MSAP, MSAN

VE792 Series		
Part Number	Description	Package
Le792388TVC	Octal Integrated Ringing SLAC	176 LQFP
Le792388VQC	Octal Integrated Ringing SLAC	164 QFN
ZL792388GDG	Octal Integrated Ringing SLAC	196 BGA
ZL792588GDG	Octal External Ringing SLAC	196 BGA
Le79271MQC	Single Channel SLIC	28 QFN
Le79271AMQC	Single Channel SLIC, 58dB Longitudinal Balance	28 QFN
Le79272PQC	Dual Channel SLIC	48 QFN
Le79124KVC	Up to 72 Channel NGCC VCP II	128 TQFP
ZL79124GDG	Up to 72 Channel NGCC VCP II	144 BGA
Le79128KVC	Up to 128 Channel NGCC VCP II	128 TQFP
ZL79128GDG	Up to 128 Channel NGCC VCP II	144 BGA
Le79234KVC	Up to 32 Channel NGCC VCP II	128 TQFP
ZL79234GDG	Up to 32 Channel NGCC VCP II	144 BGA

APPLICATION

Zarlink provides, through Communication Products Access Infrastructure portfolio, a world-class suite of development tools to facilitate the integration of voice into end-user applications and to significantly reduce design time.

The VE792 Design Kit (LE71HR124DK) offers a start-up product solution for customers, with full call control and full line test software packages. Included in the kit are evaluation platforms to perform system level tests as well as full schematics and layout for line cards. Simplified splitter circuits, reference designs, and all support tools needed to design a POTS line card are available to help reduce design time and the customers' over-all time to market.

Our VoicePath™ Application Programming Interface II (VP API-II) provides a standard software interface for controlling, supervising, and performing line testing using VE792 NGCC voice termination devices.



Le51HR0128 VCP Octal ISLAC Line Module

