

## Voice Linecard

Lantiq is a leader in the global voice infrastructure market, with a broad portfolio of CODEC/SLIC™ and voice processing products. Drawing on a long history of mixed-signal design and processing expertise, Lantiq solutions address low-cost as well as advanced, high-density applications.

The VINETIC™-xT family is the most recent addition to Lantiq's mature and field-proven Voice product line. The family of pin- and software-compatible devices addresses next-generation high-density Voice linecards and PBX systems, as well as small MDU and SFU designs, using a common 4-, 8- and 16-channel CODEC/SLIC™ architecture. This shared architecture enables system designers to minimize development time and reduce bill of materials for products that are seamlessly scalable and upgradable at minimal cost.

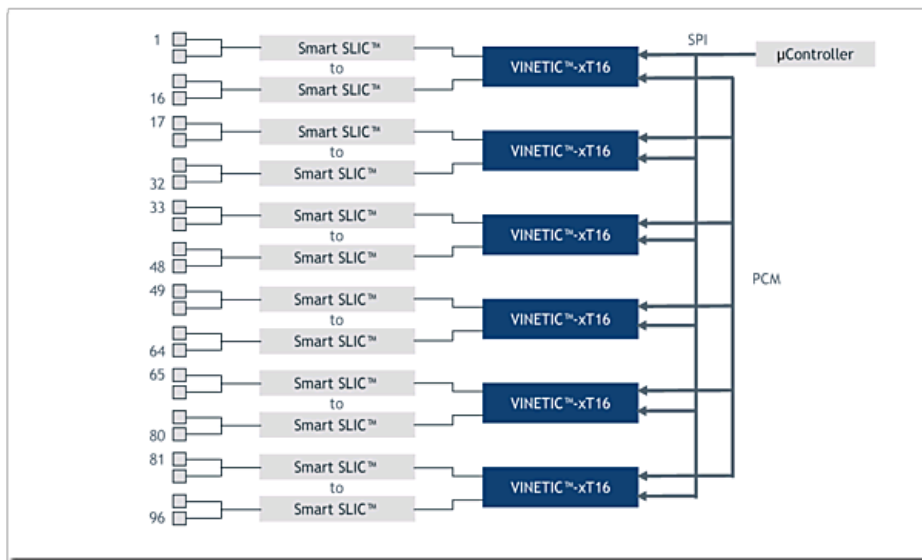
The VINETIC-xT family has a slim digital SLIC™ interface (3 pins for 2 channels) that simplifies the circuit board layout while optimizing component density. It supports wideband voice (16 kHz sampling and wideband analog filters), is 100% compatible with legacy POTS equipment and services, and offers advanced integrated line testing with test head (MELT) accuracy.

### VINETIC™-xT /Smart SLIC™

#### Key Features

- Highest integrated voice solution (4-, 8- and 16-channel CODEC/SLIC solution)
- Lowest power consumption (dedicated modes for optimized power consumption in all operating states)
- Full wideband support (16-bit/16 kHz)
- On-chip integrated line testing with test head accuracy

#### Diagram - 96ch Voice Linecard



Product Name	Sales Code	Description
VINETIC™-xT16	PEF 33016 HL V2.1	16-channel CODEC with full wideband support and on-chip line testing with test head accuracy
VINETIC™-xT8	PEF 33008 HL V2.1	8-channel CODEC with full wideband support and on-chip line testing with test head accuracy
VINETIC™-xT4	PEF 33004 HL V2.1	4-channel CODEC with full wideband support and on-chip line testing with test head accuracy
Smart SLIC™-R	PEF 42065 HL V1.2	2-channel SLIC for long haul applications
Smart SLIC™-P	PEF 42066 HL V1.1	2-channel SLIC for long haul applications, power and RBOM optimized
Smart SLIC™-S	PEF 42064 HL V1.1	2-channel SLIC for short haul applications, power and RBOM optimized

## Literature / Downloads

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### Product and Application Information

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## Related Products

[VINETIC™-SVIP](#)

[DUSLIC™-xT](#)

Lantiq is the expert provider of semiconductors and supporting software for broadband communication and digital home applications, with solutions for all versions of DSL, hybrid copper-fiber and fiber-based networks, LTE, DSLTE™, Gigabit Ethernet, Voice communications and WiFi. Every year, Lantiq ships millions of mixed-signal and digital chips and chipsets to the world's leading telecommunications and broadband access system manufacturers. These solutions give our customers the competitive edge in creating innovative broadband access and digital home products that deliver value to carriers and network operators.



Digital Home	Access Networks	About Lantiq	Contact Lantiq	 an Intel Company
AnyWAN™ Gateway Concept Universal Gateway (UGW) Software 802.11ac Ready Gateways VDSL2 WiFi Router VDSL2 WiFi VoIP Gateway ADSL2+ WiFi Router ADSL2+ WiFi VoIP Gateway Gigabit Ethernet WiFi Router DSLTE™Gateway LTE Gateway Single Family Unit (SFU) Home Gateway Unit (HGU) GPON SFP ONT FTTx WiFi DSL Gateways 5GHz WiFi Voice@Home inside Lantiq SoC FXS for PBX and Set-Top Box FXS for Gateways DECT/CAT-iq for xDSL Gateways DECT SoC for Basestations & Handsets Gigabit Ethernet DSL Gateways Gigabit Ethernet PHY	VDSL Vectoring FTTdp ADSL SHDSL MELT Voice Linecard Voice CPE Single Family Unit (SFU) Home Gateway Unit (HGU) GPON SFP ONT FTTx Wide Area Networking T1/E1/J1 HDLC All Access Networks Products	About Lantiq Career at Lantiq News & Press Releases Lantiq Events & Exhibitions Lantiq Video Service Provider Needs	Contact Lantiq Contact Form Sales & Distribution Distributor Partner Portal Lantiq Information Center FAQ	Copyright 2015 of Lantiq Semiconductor. All rights reserved.  Imprint Privacy Policy Usage Terms