



8-Port VDSL2 CO Chipset

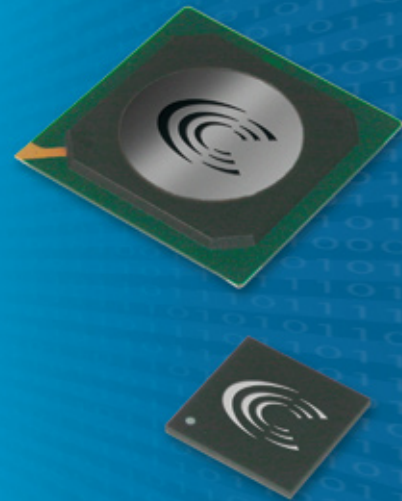
Accelity™-2

Conexant's portfolio includes a comprehensive suite of semiconductor solutions for communications and consumer applications.

Conexant's Accelity™-2 central office (CO) chipset offers full-rate very high speed DSL (VDSL2) performance for asynchronous transfer mode (ATM) and packet-based digital subscriber line access multiplexers (DSLAMs). The Accelity-2 chipset is a cost-effective, low-power, fully programmable, high performance solution for triple-play broadband service deployments, remote terminal and fiber extension applications. The Accelity-2 solution enables service providers to generate additional revenue by delivering triple-play services (high quality video, voice and data) at a competitive price.

The chipset includes Conexant's VDSL digital signal processor (DSP) and a (AFE) with integrated transmission and receiving filters. The DSP also integrates a packet transfer mode (PTM) block with serial media independent interface (SMII) for transport of packet data. The Accelity-2 design capitalizes on Conexant's many years of successful real-world DSL field experience and comprehensive understanding of standards-based xDSL technology. Leveraging this experience, the Accelity-2 chipset delivers full backward compatibility to legacy ADSL, ADSL2 and ADSL2plus services.

Conexant's Accelity-2 solution provides density, cost, performance, power, and functionality benefits, making it an ideal design for Exchange (CO), remote unit (DLC/ONU) or multiple dwelling/tenant unit (MxU) applications. To accelerate time to market, complete reference designs and a modular evaluation and development platform are available.

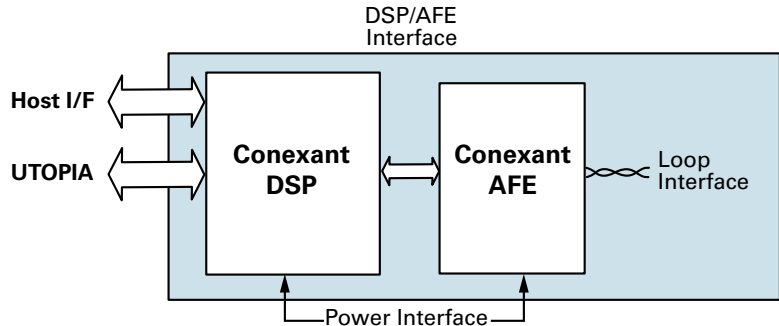


Distinguishing Features

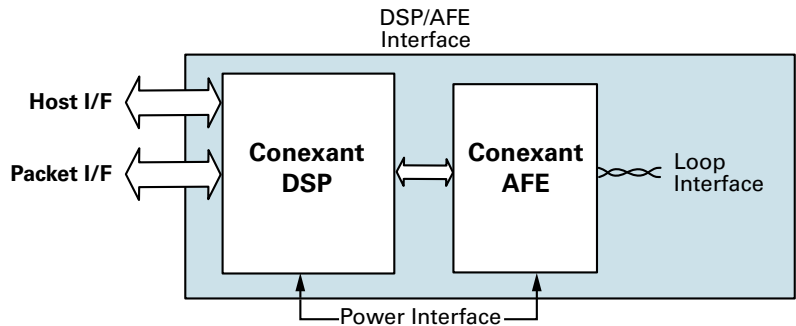
- Compliant with ITU-T VDSL2/G.993.2, ADSL/G.992.1, ADSL2/G.992.3, ADSL2+/G.992.5
- Supports all VDSL2 Profiles
- Long-reach support with US0 Band
- Fully integrated ATM/PTM support
- DSP integrates interleave memory required by high speed video applications
- AFE integration of Tx and Rx filters, single hardware design supports all band plans
- Programmable transmit power levels and PSD masks
- Maximize flexibility of deployment scenarios from CO, remote terminal (RT), MxU
- The most worldwide interoperable ADSL/2/2+ fallback

Part Number Accelity-2

Description 8-Port VDSL2 CO Chipset



Acclity ATM CO DSP



Acclity Packet Chipset

Product Features

- Low-power, high-integration solution
- Supports standard, spectrally compliant data rates
- Standard-compliant VDSL solution
 - ITU-T VDSL2/G.993.2
- ADSL fallback support
 - ADSL/G.992.1, ADSL2/G.992.3, ADSL2+/G.992.5
- SMII, SS-SMII and POS-PHY Data Interfaces for connecting to packet interfaces of an Ethernet Switch, Network Processor, or custom aggregation devices
- Glueless interface to industry standard host processors
- On-chip Reed Solomon (RS) RAM
- On-chip transmission and receiving filters
- Radio frequency interference (RFI) control

Conexant Product Portfolio

Conexant's comprehensive product portfolio includes solutions for imaging, audio, and video applications, and analog modems that enable cost-effective Internet access. The company's broadband access products include end-to-end solutions for xDSL networks, and PON solutions for fiber optic applications.

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