About Us

Corporate Overview

Company Profile

Legerity, the proven communication IC company, provides system solutions that accelerate the deployment of integrated voice and data networks. By combining semiconductor design expertise and advanced process technology with global applications support, Legerity develops voice and data IC solutions that enhance the performance, increase the density, reduce the power and lower the system cost of communication equipment products. Legerity is the world's leading supplier of voice ICs for the public network. In fact, one-third of all voice or data calls - more than any other communication IC supplier - pass through Legerity ICs.

Legerity was formerly Advanced Micro Devices' Communication Products Division (CPD). For nearly 20 years, the division was one of AMD's best-kept secrets. In late July 2000, AMD's CPD became an independent company named Legerity. Today, Legerity is a well-respected, proven player in the analog and mixed-signal voice and data communication IC market, with an established customer base and a track record of sequential revenue growth and profits.

Legerity is headquartered in Austin, Texas, with offices throughout North America, Europe and Asia and more than 300 employees worldwide. Legerity has a seasoned engineering and management team headed by President and CEO Ron Van Dell, who has extensive communication IC and system-level leadership experience.

Legerity headquarters in Austin,TX

Addressing Market Needs

Voice and data integration, board density, power and system-level cost are major factors driving the communication equipment market. Carriers need equipment that enables them to cost effectively provision voice, data, and integrated voice and data solutions. Additionally, equipment manufacturers are searching for ways to increase the number of communication lines each linecard can support, as well as ways to reduce both power dissipation and system costs. As a proven supplier of line integration and audio processing ICs for voice and data applications, Legerity is leveraging its extensive design and process technology expertise to meet the needs of communication system manufacturers.

Legerity develops high-density, programmable IC solutions that enable its customers to improve the performance, reduce time-to-market and lower the system cost of communication equipment products. In addition to providing chipsets for traditional "plain old telephone service" (POTS) applications, Legerity delivers innovative silicon solutions for broadband access and for voice over broadband (VoB) alternatives, including voice over DSL (VoDSL), voice over IP (VoIP), and cable telephony.

Legerity Communication IC Solutions

Legerity's advanced ICs and global applications support enable communication system manufacturers to reduce system costs and speed time-to-market. Legerity offers the industry's broadest portfolio of line integration and audio circuit ICs, along with advanced data and integrated voice and data IC solutions. To date, the company has shipped approximately 300 million DSP-based codec lines and more than 175 million subscriber line interface circuits (SLICs), which are now used in more than 100 countries.

Legerity SLIC Products

Legerity's SLICs are the high-voltage "entrance and exit ramps" for voice communications over the digital phone network. Almost any communication that takes place between premises travels across SLICs. Legerity offers the industry's broadest SLIC portfolio, with more than 30 devices optimized for long-loop, short-loop and local-loop applications. Legerity's SLICs are used in traditional voice applications in central offices (COs), digital loop carriers (DLCs), and private branch exchanges (PBXs), and in VoB equipment such as integrated access devices (IADs).

Legerity SLAC™ Products

A Legerity subscriber line audio-processing circuit (SLAC™) is a DSP-based, mixed-signal codec/filter that works in tandem with one or more Legerity SLICs. Communication equipment makers use Legerity SLAC devices to convert binary signals transmitted on their digital networks into analog (voice) signals. SLAC ICs provide critical enabling technology for voice communication through switched networks. Legerity has the industry's largest portfolio of codec/filters, with more than 20 SLAC devices available. Legerity's SLAC ICs are used in a wide range of long- and short-loop applications, from CO linecards to VoB equipment.

Intelligent Access™ Voice Family

Legerity's offers "intelligent" combinations of SLIC and two- and four-channel SLAC devices. These chipsets offer unprecedented programmability, integration, and on-chip testing capabilities to meet the demanding requirements of VoB applications and global switching networks.

Voice over Broadband Products

Legerity's Voice over Broadband solutions provide a voice interface optimized for derived voice channels from a broadband source. Their common goal is to reduce system level costs, space, and power through higher levels of integration, and to reduce the total cost of ownership by offering better quality of service. The resulting system is less complex, smaller, and denser, yet cost effective with minimal external components.

Line Drivers and Transceivers

Legerity's low-power, highly integrated line drivers and transceivers reduce the cost and complexity of today's broadband applications, providing architectural innovations that help ADSL system designers speed their products to market.

Company Fact Sheet | **Management Team** | **IP and Core Competencies** | **Media Contacts**