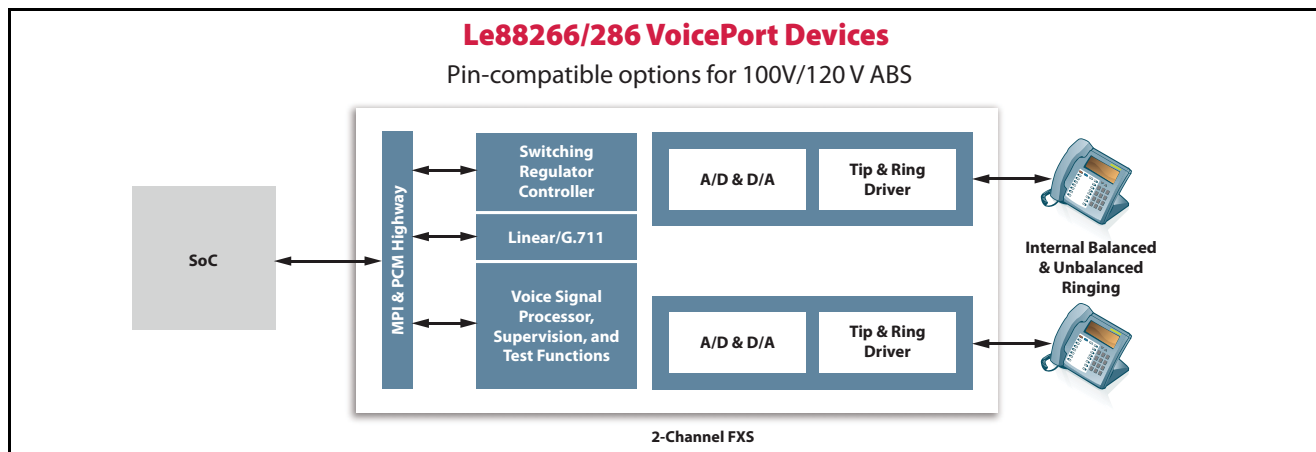


## Description

The Zarlink dual channel Le88266/286 Tracking Battery Switching (ABS) VoicePort™ device implements a dual-channel telephone line interface by providing all the necessary voice interface functions from the high voltage subscriber line to the  $\mu$ P/DSP digital interface. The ABS device can operate from external battery supplies, or from supplies generated by the on-chip switching regulator controllers. This device reduces system level cost, space and power. Designers benefit by having a simple, cost effective, low-power and dense, interface design without sacrificing features or functionality. The programmable, feature rich VoicePort device provides a highly functional line interface which meets the requirements of short and medium loop (up to 1500 Ohms total at 1 REN) applications. Features include: high voltage switching regulator, self-test, line test capabilities, integrated ringing (up to 110 Vpk), worldwide software programmability with wideband capability, flexible signal generator with tone cadencing and caller ID generation. These VoicePort device features are crucial for designing cost-effective, full-featured Voice over Broadband solutions.

Features	Benefits
<ul style="list-style-type: none"> <li>Highest level of integration</li> </ul>	<ul style="list-style-type: none"> <li>Reduces system BOM and discrete component count</li> </ul>
<ul style="list-style-type: none"> <li>Smallest footprint</li> </ul>	<ul style="list-style-type: none"> <li>Saves board space</li> </ul>
<ul style="list-style-type: none"> <li>Pin-compatible options</li> </ul>	<ul style="list-style-type: none"> <li>Provides design flexibility to develop one design and populate the voice socket with the right features for a given market—100 V or 120 V, internal balanced (sinusoidal or trapezoidal)</li> </ul>
<ul style="list-style-type: none"> <li>Lowest cost of ownership</li> </ul>	<ul style="list-style-type: none"> <li>Provides the most cost-effective BOM for 2-channel applications</li> </ul>
<ul style="list-style-type: none"> <li>Highly programmable</li> </ul>	<ul style="list-style-type: none"> <li>Offers design flexibility to develop one application for worldwide markets</li> </ul>
<ul style="list-style-type: none"> <li>Integrated ring cadencing and system state control</li> </ul>	<ul style="list-style-type: none"> <li>Reduces real-time software overhead</li> </ul>
<ul style="list-style-type: none"> <li>Common application programming interface</li> </ul>	<ul style="list-style-type: none"> <li>Significantly reduces development time with VoicePath API-II software</li> </ul>
<ul style="list-style-type: none"> <li>Comprehensive line sensing</li> </ul>	<ul style="list-style-type: none"> <li>Enables high performance GR-909 diagnostics and subscriber loop test and self test support with VeriVoice Test Suite software</li> </ul>
<ul style="list-style-type: none"> <li>Integrated switching regulator</li> </ul>	<ul style="list-style-type: none"> <li>Enables lowest component count and highest efficiency in all states of operation</li> </ul>



**Related Literature**

- VE8910 Single-Channel Tracking Battery Wideband Chipset Data Sheet\*
- Ve8820 or Le88276 Dual Channel Tracking Battery Wideband Auto Battery Switching (ABS) VoicePort™ \*
- Le88266/286 Dual Channel Tracking Battery Wideband Auto Battery Switching (ABS) VoicePort™ Device Data Sheet\*
- Le71HR8864G - VE880 Series Line Module (Supports 2FXS ABS up to 80 Vpk ringing with a 12 V Flyback Automatic Battery Switching Power Supply)

*\*Contact your Zarlink Sales Representative to obtain the data sheets.*



**For more information about all Zarlink products  
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