

## PRODUCT PREVIEW

**IN COMBINATION WITH VE880 VOICEPORT™ AND VE890 PRODUCTS, VERIVOICE™ TEST SUITE PROVIDES THE MARKET'S MOST COST-EFFECTIVE AND RELIABLE SOLUTION FOR VOIP LINE TEST AND SELF-TEST, MINIMIZING THE COST OF OWNERSHIP FOR SERVICE PROVIDERS.**

Zarlink's VeriVoice™ Test Suite Software, a Zarlink voice solution product, is a subscriber line software package for VoIP equipment, providing the market's most cost-effective and reliable solution for VoIP line test and self test while at the same time minimizing the cost of ownership for service providers. VeriVoice Test Suite Software is a collection of functions and data types that abstract the line test capabilities of the VE880 VoicePort™ and VE890 Series. VeriVoice Test Suite Software is used in conjunction with the VoicePath API-II to provide line test and self-test for select devices from the VE880 VoicePort and VE890 Series.

The VeriVoice Test Suite Software is available in C code, allowing for easy integration and customization by a developer. The VeriVoice Test Suite Software significantly reduces the effort needed to deploy line tests and self tests in an application.

### Features

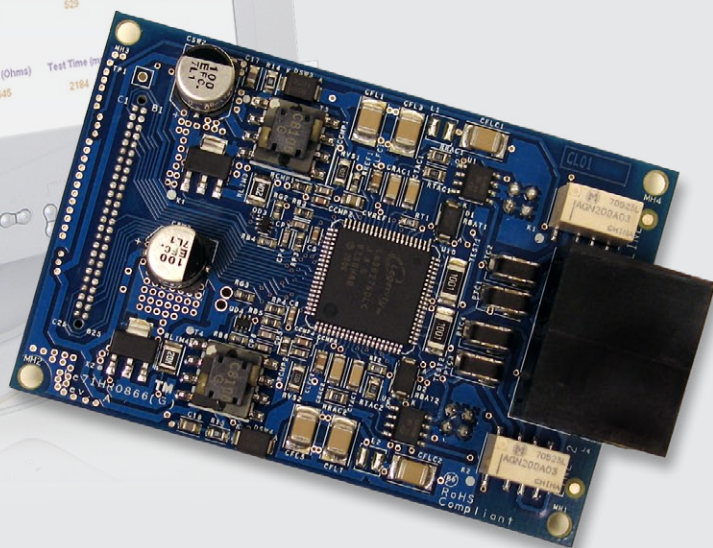
- ➔ Integrates with VoicePath API-II to provide a high performance line test solution
- ➔ VeriVoice Professional consists of outward tests as well as inward self tests, includes user programmable thresholds/parameters, and provides pass/fail and measured results
- ➔ VeriVoice Auditor consists of outward tests and provides pass/fail results
- ➔ Both software packages are available in C-code form

### Benefits

- ➔ Simplifies adding line test to VoIP equipment
- ➔ Improves reliability of service and the network
- ➔ Automated, remote testing capability eliminates costly truck rolls
- ➔ Reduces maintenance costs
- ➔ Decreases mean time to repairs
- ➔ Eliminates expensive test equipment inside the low line count VoIP equipment itself
- ➔ Enhances call center support capabilities to identify simple faults

### Applications

- ➔ Voice Enabled Cable and DSL Modems
- ➔ Residential VoIP Gateways and Routers
- ➔ Fiber to the Premise/Home/Building (FTTP/H/B)



# VERIVOICE TEST SUITE SOFTWARE

## APPLICATION

### VeriVoice™ Auditor Test Suite Software

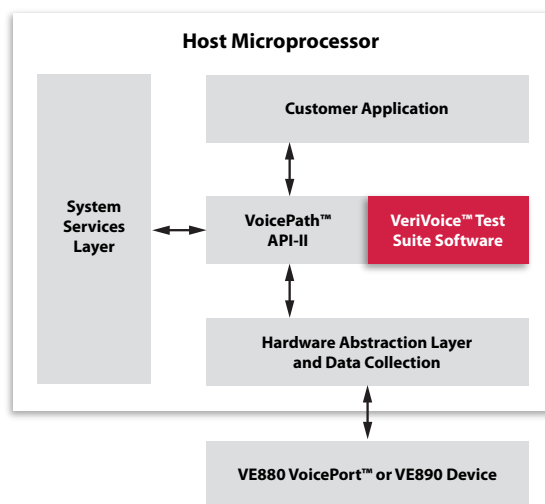
The VeriVoice Auditor consists of outward looking tests, or drop tests, which check the customer equipment and copper pair leading to it. VeriVoice Auditor returns results indicating a test passed or failed based on a set of test limits. The tests can be run individually or commanded together as a group.

### VeriVoice™ Professional Test Suite Software

The VeriVoice Professional consists of both outward and inward self tests. The outward looking tests, or drop tests, are intended to check the customer equipment and copper pair leading to it. The inward self-tests check the VoIP equipment itself. The VeriVoice Professional returns measured results indicating whether the test passed or failed based on an adjustable set of test limits. The tests can be run individually or commanded together as a group.

VeriVoice Test Suite Software			
Tests	VeriVoice Auditor	VeriVoice Professional	Description
Devices Supported	Le88266, Le88276, Le88286, Le8910, VE8820, VE8911, VE8921	Le88266, Le88276, Le88286, Le8910, VE8820, VE8911, VE8921	
<b>Outward Tests</b>			
Line Voltage	•	•	Checks for hazardous and foreign AC and DC voltages on the drop
Receiver Off Hook	•	•	Tests for longitudinal fault, off hook restive fault, and receiver off hook
Ringer Equivalence	•	•	Tests the impedance of the line and returns a fail if the REN is too low or too high
Resistive Faults	•	•	Measures three element resistance
All Outward Tests	•	•	Performs all outward tests in correct sequence
<b>Inward Self Tests</b>			
Loopback		•	Enables receive-to-transmit signal loopback by two different methods
DC Voltage		•	Verifies that the line circuit has the ability to drive the voltage rangers required for the normal operation of the line circuit
DC Feed		•	Measures the voltage and current across a known test load resistor using the DC feed profile that has been programmed
Ring		•	Verifies ring signal generation, drive capability, and ring trip
On/Off Hook		•	Calculates on-hook and off-hook conditions on the line using the test-load resistor
Read Battery Conditions		•	Reads the battery voltages connected to the line circuit

### VeriVoice Test Suite Block Diagram



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