

ISD-ES511 & ISD-ES512 Tools

Evaluation System and
Demonstration Board
for the ISD5116

ChipCorder®



ISD-ES511 Evaluation/Development System

The ISD-ES511 Evaluation System is a Windows '98 PC-based system which allows the complete operation and signal routing of the ISD5116 product to be controlled by a PC USB serial port. All the chip's functions can be easily adjusted in real time to allow for a complete evaluation of the ISD5116 for any end application. The PC connects to the Evaluation System using a standard USB port cable.

The **ISD-ES511** system consists of an ISD5116, evaluation board, Windows '98 evaluation system software (on floppy disk), external speaker and batteries (the USB port cable is not included).

User Benefits

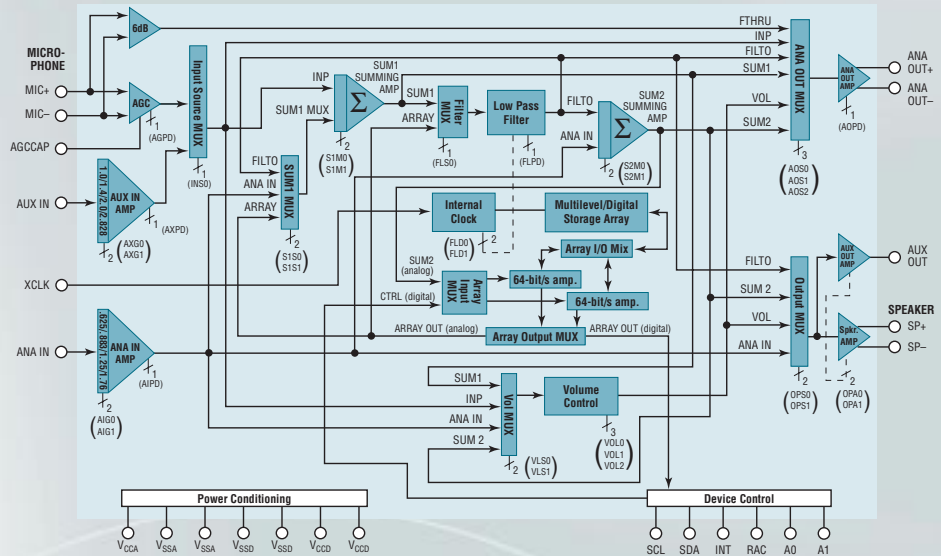
- All ISD5116 product features and signal routings can be demonstrated and evaluated
- End system performance can be evaluated by connecting prototype boards to the audio components of the ISD5116
- The visual display of the operation code (OPCODE) can be used to aid system microcontroller software development

ISD-ES511 Evaluation System Features

- Graphical user interface allows real time set up of the ISD5116
- Mouse "point and click" control of the features of the ISD5116
- Full screen display of the internal block diagram and audio paths of the ISD5116 – selected audio paths are highlighted
- ISD5116 configuration register's bits are automatically set once a desired path is selected
- Visual display of the operation code to set any command or configuration – use of these bit settings for software routines
- Commonly used audio paths can be modified and saved
- Record and playback messages from any address
- Continuous read-out of addresses during *Record* and *Playback* operation
- All input and output amplifier gain settings can be adjusted
- AGC can be enabled or disabled
- Selectable digital volume control
- Selectable speaker or auxiliary output

Block Diagram and Signal Routing of the ISD5116

ISD-ES512 & ISD-ES512 Tools



ISD-ES512 Demonstration Board

The ISD-ES512 Demonstration Board is a stand alone system that illustrates the signal routing and flexibility of the ISD5116 as well as its recording and playback functions and sound quality. The digital chip memory is used to store numbers and memory management software tables. The **ISD-ES512 Demonstration Board** consists of an ISD5116, the demonstration board with an LCD display, and an external speaker (batteries included).

These ISD5116 Features are Easily Demonstrated Using an ISD-ES512

- Message recording
- Message playback
- User selectable sample rate control
- Volume control
- Digital storage capabilities

ISD-ES512 Demonstration Board Features

- Keypad selection of operational modes: *Select Sample Rate, Set Volume, Voice Notes (Memo)*
- Built-in microphone
- External speaker jack
- LCD displays number of messages recorded and digital data accompanying the message

To order products or more information:

Winbond Electronics Corporation of America
 2727 N. First Street
 San Jose, CA 95134
 1-800-677-0769 (US Only), 408-943-6666
 Fax 408-544-1789
 e-mail: info@isd.com
 Web: www.isd.com

