SignalMaster Ver 2.00 Specifications:

Processing Family: Texas Instrument TMS320C6746 32/64 bit floating point processor**.**

For complete datasheet, visit:
http://www.ihsys.com/ohsspds/signalmaster/tms320c6746.pdf

Processing Speeds: The TMS320C6746 is capable of performing 2100 million floating point operations per second (MFLOPS) with a 2.8 ns cycle time

Codec: TLV320AIC3254 Ultra Low Power Stereo Audio Codec with imbedded miniDSP. For additional information, visit:
http://www.ihsys.com/ohsspds/Documents/slaa408a.pdf

Memory: 256KB (Kilo Bytes) of internal memory and addressing lines providing access to 4MB (Mega Bytes) of external asynchronous memory.

Data Sampling Rate: Programmable with rates from 8 to 96kHz.

PC Communication: USB & Ethernet

Analog Input: Microphone inputs with stereo drivers & A/Ds (programmable 16/20/24/32 bits)

Analog Output: Stereo headphones outputs with drivers & D/As (Programmable 16/20/24/32 24 bits)

Universal Asynchronous Receiver/Transmitter (UART) communication modules: The system provides a USB/Serial communication and EtherNet UARTs for data exchange with a PC for programming, parameter selection and data exchange.

LEDs: Battery power indicators and programmable logic indicators.

Power Supply: Options to run off battery or A/C power adaptor.

Battery: ICR18650 Li-Ion 2 X 3.7 V 2600 mAh (10 hours) (1.67 oz each)

Size: 190 mm X 90 mm X 30 mm

Weight: <8 oz

Photo of SignalMaster device showing dual microphones and stereo headphones connected to the system. The system can use any standard 8-12 ohm headphones.
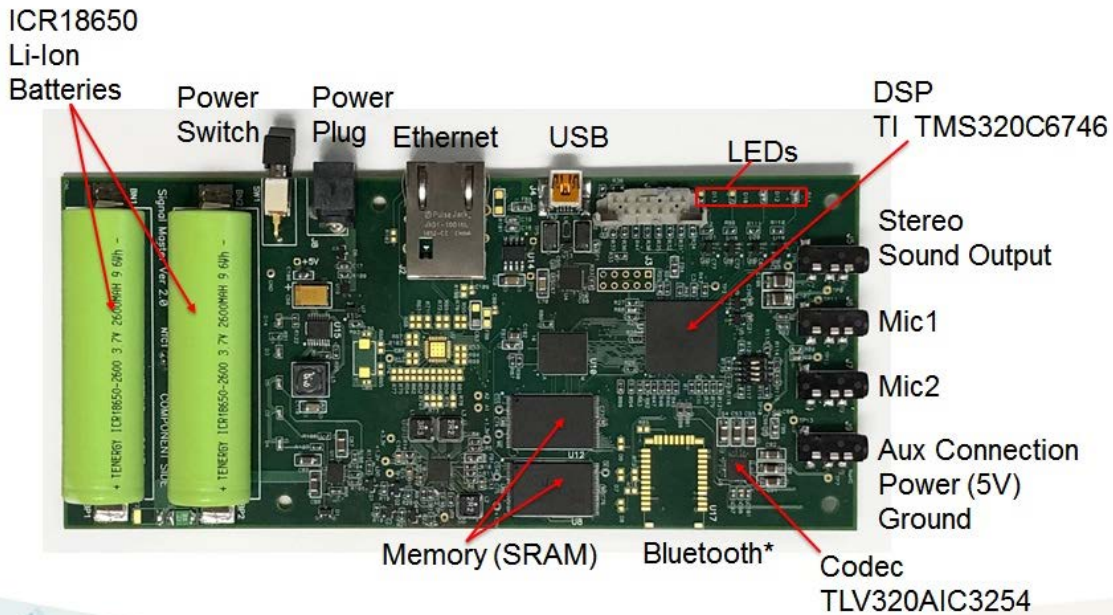
SignalMaster™ Board

Photo of inside of SignalMaster enclosure showing DSP circuit board, battery charging circuit board, power switch, and power, microphone, headphone connectors.

DO NOT OPEN ENCLOSURE – SignalMaster hardware can only be serviced by Intelligent Hearing Systems technicians. Warranty will be voided if opened.

Technical Support:

For any questions or technical support with your SignalMaster system, email: support@ihsys.com
Please make sure to enter "SignalMaster Support" in the subject line and the serial number of your system.