KEYSTONE SEMICONDUCTOR TO OFFER LOWEST-COST

DAB SINGLE-CHIP *TSUNAMI* FAMILY FEATURING SLIDE SHOW,

EPG, AND TPEG FOR GERMAN DIGITAL RADIO MARKET

KeyStone DAB single-chip Tsunami family showcases a variety of DAB+ applications on Apple, Android, in-car entertainment, hand-held, cellular phone, digital photo frame, kitchen radio, set-top-box, etc. at IFA Berlin.

Hsinchu, Taiwan – KeyStone Semiconductor Corp. (KeyStone), a leading fabless semiconductor developer of advanced digital radio technologies announced today that its 2nd generation single-chip FM/DAB/DAB+/DMB-R receiver IC, KSW8650, offers the lowest-cost turn-key solutions to support German DAB+ slide show, EPG, and TPEG applications. Integrated with triple-band RF receiver, demodulator, DSP, micro control unit, flash memory, stereo DAC, battery detector, power management, etc, KSW8650 is the state-of-the-art digital radio IC that meets German lowest-power and lowest-cost multimedia DAB market demands.

KSW8650, based on KeyStone's proprietary digital radio technologies, provides not only decoded AAC+ audio signal but also digital data to display slide show, to present EPG, and to support TPEG on various applications. Unlike typical DAB modules that fail to support slide show, EPG, and TPEG, KeyStone's single-chip KSW8650 is the only low-cost and low-power digital radio single-chip that satisfies German DAB+ rich-content market demands.

A live demonstration clip on German DAB+ slide show by von Michael Praetorius at IFA Berlin is available at YouTube.

KeyStone offers a series of advanced highly integrated single-chip digital radio IC family including

- KSW6080 to support DSP-based FM/RDS/RBDS for Apple iOS and Android platforms,
- KSW8080 to support traditional FM/DAB/RDS/RBDS,
- KSW8290 to support new FM/DAB/DAB+/DMB/RDS/RBDS,
- KSW8650 to support advanced FM/DAB/DAB+/DMB/RDS/RBDS/SLS/EPG/TPEG, and
- KSW2280 to support host-based applications with integrated RF/demodulator circuits.

All KeyStone single-chip digital radio IC family is built-in with 5 pre-set EQ in Bass Boost, Jazz, Live, Vocal, and Acoustic mode to work with patented two-way wireless digital radio technologies for transceiving data such as radio station information, slide show, EPG, TPEG, etc. from Tsunami modules to Apple and Android platforms and vice versa.

KeyStone DAB single-chip family, all housed in a small 1.1 cm x 0.8 cm uBGA package, is world's first DAB receiver IC to build-in multiple languages including Chinese and to support both LCM and OLED display at no extra cost to OEMs. Company also offers low-cost industry-grade DAB single-chip modules that are certified by stringent Electromagnetic Compatibility (EMC) BS EN 55022: 2006 and BS EN 55013: 2001 tests with an industry-grade temperature range of -40 C to 85 C, which are required by in-car applications.

Certified by Apple, KSW8650 is employed in Apple MFI products such as LINGO iRis and iMini to offer DAB/DAB+ audio, slide show and EPG. LINGO products are available at German Gravis, Apple Store Europe, and authorized iStore worldwide. Newly introduced LINGO iDas is an Apple MFI docking station based on KeyStone's patented "BigFish" technology to allow Apple idevices and Android phones to wirelessly control DAB dock stations by a free app DAB GO!. LINGO iVy is world's first and smallest Bluetooth DAB receiver to work with smart phones.

For more information on KeyStone's digital radio *Tsunami* family, product roadmap, product applications, patented wireless digital radio technology, and chip/module quotation, please send your inquiry to *contact@KeyStonesemi.com*.

About KeyStone

KeyStone Semiconductor Corp. is a technical innovator and leader in wireless digital radio semiconductor. Company is dedicated in providing a series of low-power and low-cost digital radio IC family for today's multimedia broadcasting market demands. KeyStone offers turn-key solutions from novel Apple and Android apps such as **DAB GO!, FM GO!, POWER GO!, KEYSTONE** to complete digital radio design platforms to reduce customers' time-to-market efforts.

KeyStone products enable the delivery of the enriched analog and digital multimedia contents to home and mobile environments. Company provides the industry with the lowest-cost system-on-a-chip turn-key solutions to manufacturers of analog and digital broadcasting access products and portable devices.

KeyStone is funded by public companies and private entities. Company is headquartered in the Science-Based Industrial Park, Taiwan, and has offices and facilities in North America and in China. KeyStone can be contacted at +886.3.666.2756 or at contact@keystonesemi.com.

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