



NEWS ANNOUNCEMENT

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AIROHA TECHNOLOGY CORP. ANNOUNCES AIRLINK AL2210, INDUSTRIES MOST INTEGRATED WIRELESS TRANSCEIVER SOLUTION ENABLED BY JAZZ SEMICONDUCTOR TECHNOLOGY

Airoha's Single Chip WLAN Transceiver with Embedded PA Requires Fewest Number of Off-chip Components

HSINCHU, Taiwan and NEWPORT BEACH, Calif., Aug. 18, 2003 – Airoha Technology Corp., a wireless communication design company that develops radio frequency (RF) and mixed signal solutions, today announced the world's most integrated single chip transceiver with an embedded power amplifier (PA) for wireless local area network (WLAN) RF applications. Utilizing Jazz's specialty silicon germanium (SiGe) BiCMOS technology, the Airlink AL2210 single chip transceiver is capable of meeting the most demanding requirements of cellular customers on performance and power consumption for 802.11b applications

A key requirement for a true single chip WLAN transceiver is to embed a PA meeting full 802.11 power specs. Using the optimized SiGe process and design platform from Jazz Semiconductor, Airoha designers overcame the challenges of heat dissipation and interference that are common in an integrated PA with output power of more than 20dBm at 11Mbps data rate. This single chip transceiver is highly integrated with on-chip components such as voltage-controlled oscillator (VCO), low noise amplifier (LNA), oscillator and balun. With the lowest off-chip component count, the Airlink AL2210 has the potential to achieve the lowest bill of materials (BOM) cost and the smallest printed circuit board (PCB) area in the world.

“Jazz Semiconductor is a world class foundry specializing in RF IC manufacturing,” said Michael Lu, president at Airoha. “Their superior processes, design kits, and customer services enabled us to achieve the first pass success of our highly integrated WLAN transceiver. Jazz’s high quality and cost competitive wafer manufacturing has allowed us to offer competitive cost solutions to our customers.”

“As Airoha’s foundry partner, we are very pleased for their success in developing the most competitive WLAN transceiver solution on the market,” said Theodore Zhu, vice president of sales, strategy and business development at Jazz Semiconductor. “We look forward to supporting the future projects of this world class design team to advance the integration and performance of wireless solutions. We are committed to providing cost-effective, high performance RF and mixed-signal silicon wafer foundry solutions to enable the leadership position of our customers in the market place.”

The Airlink AL2210 is initially targeted for 802.11b applications and will be available to customers by the end of August 2003 and distributed to Taiwan original equipment manufacturers (OEM) and original design manufacturers (ODM) which supply over 85 percent of the world’s wireless solutions market. The 802.11g version will be available to customers by the end of 2003 whereas the 802.11a/b/g comb version is expected to debut in the second quarter of 2004.

About Airoha

Airoha Technology Corp. is a Taiwan based fabless company that develops highly integrated circuits for wireless communication solutions. Spun-off from BenQ in August 2001, Airoha has the advantage of a built-in customer base, enjoying strong market leadership positions in PC, data communication, cellular, handheld device and WLAN applications. The company is committed to providing high performance, cost-effective and highly integrated RF/mixed signal integrated circuit (IC) solutions, including system level expertise in global system mobile (GSM) and WLAN communications. Product applications include telecommunications and data communications. By integrating proprietary technology processes, the company provides customers with cost effective and high performance solutions. Airoha partners with foundries that are leading radio-frequency semiconductor manufacturers to ensure the best quality products. To learn more about Airoha, please visit www.airoha.com.

About Jazz Semiconductor

Jazz Semiconductor manufactures semiconductor wafers that enable the development of high-performance, low-power radio-frequency (RF) wireless and broadband wireline communications products. The company’s rich heritage in analog and RF integrated circuits (IC) manufacturing has evolved into a leadership position in silicon germanium (SiGe) bipolar complementary metal oxide semiconductor (BiCMOS) and silicon BiCMOS technologies and design tools that are setting the standard for communications IC foundry services. Jazz manufactures wafers using bipolar, BiCMOS, SiGe, analog, and mixed-signal CMOS process technologies. The Newport Beach ISO9001-certified facility includes 100,000 square feet of Class 1 clean-room space, and has the capacity to support 21,000 eight-inch wafer starts per month. Jazz Semiconductor is a privately held company headquartered in Newport Beach, CA. and has approximately 670 employees. To learn more, visit www.jazzsemi.com.

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