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RISC-based 3.5" Single Board with ARM Cortex A9 i.MX6 Processor for Multimedia Applications

February 10, 2014, Munich– Advantech, a global leader in embedded computing, is glad to announce the launch of the RSB-4410, a RISC-based 3.5" single board computer powered by the Freescale ARM® Cortex™-A9 i.MX6 Dual 1GHz high performance processor that delivers multimedia on a low power platform. RSB-4410 is designed specifically for the Digital Signage and Kiosk applications which need strong multimedia capabilities and software integration services.

Strong multimedia performance and low power consumption

RSB-4410 is powered by the Freescale ARM® Cortex-A9 i.MX6 Dual core processor, with 1GB DDR3 memory and 4GB flash onboard. It has two Image Processing Units (IPU) and 2D, 3D graphics built in, with support for triple independent displays: 1-CH LVDS, VGA and HDMI. Resolutions of up to 1080p high quality video output with low power consumption are available. It also supports Gigabit Ethernet and mini-PCIe slots for WiFi, 3G, HSDPA and an optional module for network connectivity. And for extended function demands, there are 2 x UART and 2 x USB internal connections.

Software support service

RSB-4410 comes bundled with standard Linux V3.0.35 Board Support Package to help customers develop their own applications. Advantech's middleware software is also included such as Linux Signage APIs and SUSI APIs which support watchdog, GPIO, I2C, VGA control and H/W monitor. With these tools, faster software design schedules and times to market are enhanced.

Features:

- Freescale ARM® Cortex™-A9 i.MX6 Dual 1GHz high performance processor
- Onboard DDR3 1GB memory and 4GB flash capability
- Supports triple display and full HD 1080p hardware video codec engine

- Networking capability of Gigabit Ethernet, Wi-Fi , 3G and HSDPA
- Supports Linux 3.0.35 BSP

RSB-4410 samples are available now. If RSB-4410 fits into your plans, please contact Advantech to find out more.

About Embedded Core Service

Advantech Embedded Core Services offers design-in oriented services. These streamlined solutions broadly integrate embedded boards, peripheral modules and software. This dedicated focus on Embedded Design-in services fulfills electronic engineering demands at their design-in phase, and brings benefits that shorten the design and integration cycles, minimizing uncertainty and risk. www.advantech.eu/EmbCore

About Advantech

Founded in 1983, Advantech is a leader in providing trusted, innovative products, services, and solutions. Advantech offers comprehensive system integration, hardware, software, customer-centric design services, embedded systems, automation products, and global logistics support. We cooperate closely with our partners to help provide complete solutions for a wide array of applications across a diverse range of industries. Our mission is to enable an intelligent planet with Automation and Embedded Computing products and solutions that empower the development of smarter working and living. With Advantech, there is no limit to the applications and innovations our products make possible. (Corporate Website: www.advantech.eu).

Advantech is a proven partner of the Freescale Connect Partner Program. The Freescale Connect Partner Program is an essential source for embedded designs based on Freescale solutions.