## ELTEC delivers compact, sturdy, Intel Bay Trail-based computer boards

*CPU board EUROCOM 600 offers powerful, scalable computer performance and a diverse range of interfaces*

Mainz, 3$^{rd}$ December 2014 – ELTEC continues to expand its embedded board portfolio which comprises powerful SoC/CPU modules with the launch of its EUROCOM 600. The new CPU board is Intel Atom E3800 processor architecture (Bay Trail) based and is designed for a wide range of sophisticated applications in the manufacturing industry, healthcare or railway technology. The board supports dual gigabit Ethernet applications and, among other things, is the ideal solution for the development of modular computing platforms for utilization in rough environments and conditions.
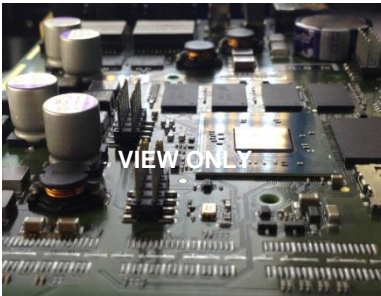
The new EUROCOM 600 is a convincing solution thanks to the outstanding computing, graphics and media performance of the Intel Atom E3800 line. The embedded CPUs offer scalable computer speeds thanks to single, dual and quad core as well as core frequencies ranging from 1.3 to 1.9 GHz, a high level of I/O connectivity, an integrated memory controller with dual channel memory interface, ECC (Error Correcting Code) support, virtualization, GPU and video codecs for JPEG and H.264.

Thanks to the low power consumption concept (thermal design power in a range of 5 to 10 W) and the two memory banks which are permanently soldered into their positions and boast up to 16 GB DDR3-RAM, the EUROCOM 600 is especially suitable for use in mobile applications in the extended operating temperature spectrum (-40 °C to +85 °C). An eMMC memory module is provided as a mass storage component and offers ample memory for programs as well as application data. The Ethernet MACs are equipped with the Intel i210 and offer hardware expansions for real-time Ethernet in compliance with IEEE-1588.

Many of the interfaces of the Atom SoC (including SATA, USB, display port, UART, I2C, SPI, HD Audio, PWM, General Purpose IO) are located on a side card plug. It can be used to route the interfaces on to a second supplementary EUROCOM 600 card. As a result, these interfaces can also be provided for additional applications. The side card plugs can either be positioned on the component or soldering end of the EUROCOM 600 with the aim of offering maximum flexibility.

Windows 7 Embedded, Windows 8.1 and Linux provide ample software support.

For more information, please visit the company's website [www.eltec.com](www.eltec.com).

## ELTEC Elektronik AG

ELTEC Elektronik offers tailor-made client solutions for a wide range of embedded designs with their specific criteria and tasks. To achieve this, the enterprise draws from its vast expertise in disciplines such as FPGA and CPU design, operating systems and drivers, as well as application software, bus concepts for all commonly used form factors, industrial PCs and industrial image processing.

| CONTACT | CONTACT AGENCY |
|---|---|
| ELTEC Elektronik AG | MEXPERTS AG |
| Daniela Höhn | Rolf Bach |
| Galileo-Galilei-Str. 11 | Trimburgstraße 2 |
| 55129 Mainz | 81249 München |
| Germany | Germany |

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|---|---|---|---|---|
| Fon | +49 6131 918 100 | Fon | +49 89 897361 14 |
| Fax | +49 6131 918 195 | Fax | +49 89 897361 29 |
| Email | dhoehn@eltec.com | Email | rolf.bach@mexperts.de |
| www | eltec.com | www | mexperts.de |

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