Mini Carrier Baseboard Accelerates Design-In

congatec AG, a leading manufacturer of embedded computer modules, presents the conga-QMCB, a new mini carrier baseboard for space-critical applications based on the Qseven standard. The baseboard is ideal for fast prototype design and compact, mobile applications. Measuring just 145x95 mm, the easy-to-integrate mini carrier board is packed with a wide range of state-of-the-art interfaces and is designed to accelerate the evaluation process in the design-in phase, thereby facilitating faster time-to-market. DisplayPort, HDMI and LVDS 18/24 Bit graphics interfaces have been implemented, together with six USB interfaces and an Ethernet connection. The board also offers additional standard interfaces such as high definition audio and a mini PCI express socket, which can be used for WLAN. SD-Card, 2x SATA and CFast have also been integrated on the baseboard to enable the connection of mass storage devices.

The conga-QMCB is powered by a single 5V DC supply. Battery management signalling is fully incorporated, enabling the use of the congatec Smart Battery Manager (conga-SBM2) and making the baseboard a simple solution for mobile systems. When using ACPI-compatible operating systems such as Linux or Windows, battery system communication is fully implemented; no special software or BIOS adjustment is required.

The conga-QMCB is designed for use with the new conga-QAF computer module, which is based on AMD Fusion technology, and the conga-QA6, which is based on the current Intel Atom E600 series.

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