

Kontron CP308-MEDIA: One of the first embedded boards with DisplayPort

Kontron adds extensive multimedia capabilities to CompactPCI

Eching

Germany

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The new [Kontron CP308](#) [1] 3U CompactPCI[®] [2] multibore board with the CP308-MEDIA extension card is one of the first embedded products to feature the new HD digital display interface standard DisplayPort. With SP-DIF-Out audio and the stereo audio ports for Line In, Line Out and Microphone, the processor board with the innovative Kontron CP308-MEDIA adds extensive multimedia capabilities to embedded computing.

The Kontron CP308 features the high performance 45nm [Intel® Core™ 2 Duo processor](#) up to 2.26 GHz, the most powerful embedded Intel® G545 Graphics and Memory Controller Hub, up to 8 GB of energy efficient DDR3 RAM, and the Intel® IO Controller Hub-ICH9M. With its excellent computing and multimedia performance, it is the perfect solution for applications such as: digital signage, passenger information and entertainment, process and quality control, surveillance and security in the [automotive](#) [3], [aerospace](#) [4], [defense](#) [5] and [industrial automation](#) [6] markets.

Kontron CP308-MEDIA capabilities

The Kontron CP308-MEDIA features two DisplayPort interfaces on the front for direct-drive, end-to-end communication between the board and different panels. Compared to DVI or LVDS DisplayPort reduces cabling, connector footprint and minimizes the need for additional monitor electronics for panel control. Furthermore, the [DisplayPort](#) connector guarantees optimum mechanical stability. With conventional adapters, DisplayPort also connects to HDMI, DVI or VGA monitors. The optical SP-DIF-Out transmits digital Intel® HD Audio. Analog audio signals are transmitted via the stereo audio ports for Line In, Line Out and Microphone. Onboard the Kontron CP308-MEDIA features connectors for COM, SATA, a 5052HC socket, a CompactFlash socket and a Mini PCI Express socket. Extending the Kontron CP308-MEDIA via an additional Mini PCI Express device like WLAN, GPS, Network or SSD, the CPU board offers maximum flexibility.

The Kontron CP308-MEDIA runs with Linux, Microsoft Windows XP, Vista or XP embedded - the upcoming Windows 7 will also be supported. Highly integrated board support packages support all onboard hardware devices. Samples of the Kontron CP308-MEDIA extension module are available now. Full production is scheduled for Q4, 2009.

More on the Kontron CP308-MEDIA CompactPCI[®] multimedia extension board:

[http://www.kontron.com/Products/Embedded/CP308-MEDIA/CP308-MEDIA-3U-CompactPCI-3U-Media-20](#)

More about 3U CompactPCI[®] [http://www.kontron.com/Products/Embedded/3U-CompactPCI-3U-CompactPCI-3U](#) [7]

More about CompactPCI[®] [http://www.kontron.com/Products/Embedded/CompactPCI-CompactPCI-CompactPCI-CompactPCI](#) [2]

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- [2] <http://www.kontron.com/cpci>
- [3] <http://www.kontron.com/industries/transportation/>
- [4] <http://www.kontron.com/industries/defenseaerospace/>
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