

Press Information Kaparel, a Rittal Company



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MicroTCA Cube from Kaparel

MicroTCA is now aimed at rapid industrial applications

Its rapid handling of data and modular design are making the MicroTCA standard more and more interesting in industrial and military applications. This is even more so because a successor has to be found for current real-time systems based on the VME bus. Rugged systems need to take into consideration the rough conditions experienced in industrial applications (compared to those in telecommunications). With its new MicroTCA Cube, Kaparel is already providing the answers.

Kaparel is now presenting its MicroTCA Cube as the company's first direct solution for an industrial environment-based MicroTCA.0R1.0 specification. Thanks to the compact enclosure dimensions (307 x 118 x 285/319 mm) the space-saving installation needed by machine controllers and in automation technology is possible. The enclosure is made from stainless steel and is sufficiently stable for use in industrial environments.

It can be assembled in a variety of ways: mounted on a support rail, fitted directly on the enclosure's mounting plate or on the machine itself. This can be done with the aid of the adaptor plates available as accessories, with their integrated drilled keyholes or brackets for mounting directly on support rails. Both can be affixed to the enclosure's rear or side panel.

The MicroTCA Cube is designed to accommodate seven slots (six AMC, one MCH). Reliable heat dissipation is ensured by a pluggable fan tray module with two axial fans and a separate removable air filter. The enclosure is fully assembled, wired and tested. It is supplied (as a standard feature) with an integrated AC/DC power pack that has a 250 W output. As is usual with Kaparel this means for the user: Insert your own Macs and MCH and once the computer starts – launch your application!

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MicroTCA provides for development outside the AdvancedTCA standard for less complex tasks, not only in the field of telecommunications, though the same technology of Advanced Mezzanine Cards (AMC) is used. Systems with a high operating capacity and availability can be created in a very small space. The sophisticated control of the system, including self-diagnosis and switch functions, is performed by MCH (MicroTCA Carrier Hub)

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Kaparel Corporation:

Kaparel Corporation, A Rittal Company, develops, manufactures, and markets electronic packaging solutions to the global embedded computer market. Kaparel's pioneering work in CompactPCI® and continued work in all aspects of high-speed backplane architecture technology combined with Rittal's expertise in mechanical subracks and enclosures makes Kaparel a leader in providing electronic packaging solutions. Located in Waterloo, Ontario - Canada's Technology Triangle, Kaparel is part of Rittal International, the world's largest electronic enclosure manufacturer with offices in over 55 countries. With a catalog of standard components and systems as well as custom designs in several technologies including AdvancedTCA® and MicroTCA®, our goal is to bring customer solutions faster to the market. Kaparel stands for future-oriented and comprehensive solutions, service and consulting competence.

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