

Next Generation MicroTCA.4 from a Crate point of view

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The PICMG Working Group, defining PCIe Gen4 and 5 as well as 100 GbE for MicroTCA, is close to finish the specification. What does these changes mean for the Crate? This talk gives an overview about the changes and additions to the specification for the data transmission line and how this influences the backplane. To accommodate the high speed switches the power to the MCH's and the Cooling Units gets increased. The presentation shows how this additional power can improve the cooling capability of current crates and which architectures can be realized to optimize the Crate cooling.

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