

N.A.T. wins Best of Show Awards at ATCA Summit



The new double-width fully featured NAT-MCH for Physics

Bonn, September 2012



N.A.T., the expert for high performance connectivity products for data and (tele-)communication solutions, announces that they have been awarded a prestigious "Best of Show Awards" at the ATCA Summit in Santa Clara, California, in the category "Best Infrastructure Product" with the new double-width MicroTCA Carrier Hub – the NAT-MCH-M4.

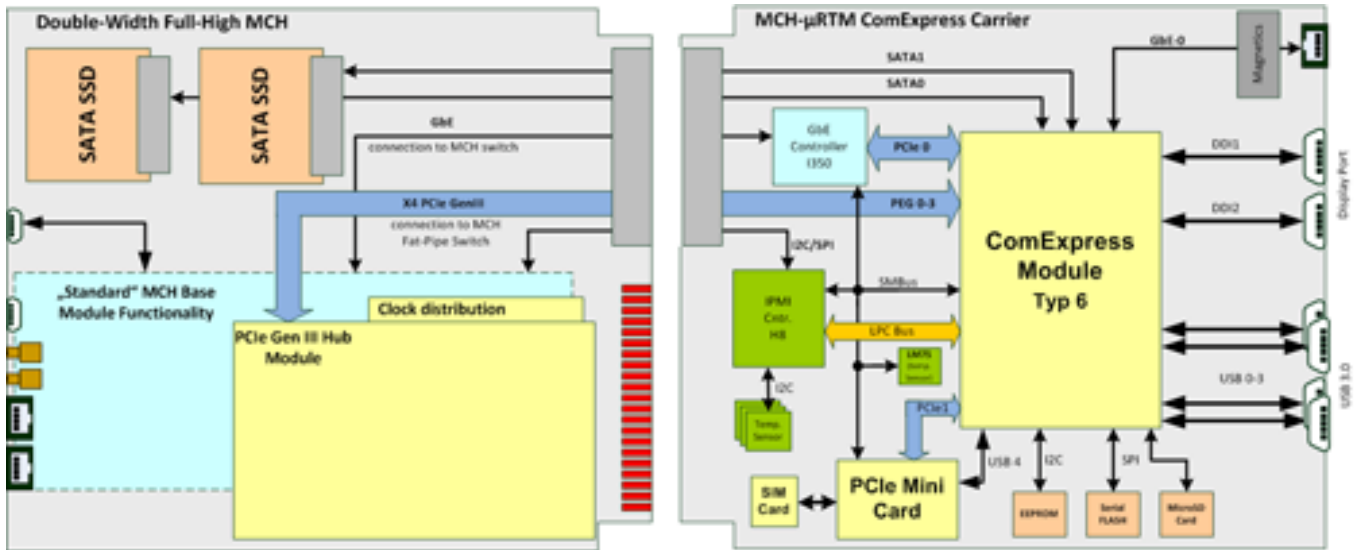
The new double-width MCH, NAT-MCH-M4 is targeting at applications based on the MicroTCA.4 form factor. The distinctive feature of the new NAT-MCH-M4 is that in combination with the also available μ RTM COM Express Carrier NAT-MCH-Comex, it allows applications to utilize the so far unused space behind the MCH in MTCA.4 systems.



As a standard MTCA.4 was mainly driven by the international high energy physics research institutions, however, MTCA.4 is being adopted by several other industrially driven verticals. Opening the systems space behind the MCH slot provides significant functional improvement and cost savings by combining the functionality of an MCH, i.e. with the one of a PrAMC. Unlike earlier and proprietary attempts by other vendors to integrate MCH and PrAMC capabilities into a single slot in a MicroTCA system, the solution now provided by N.A.T. is fully compliant with the MicroTCA standard. Moreover, this solution actually combines both the MicroTCA and the COM Express standard, enabling significant cost savings and synergies.

"We are honoured to have received the ATCA Summit Committee's Award" said Heiko Körte, Director Sales and Marketing at N.A.T. who received the trophy on behalf of N.A.T. "At this point I would like to express my special thanks to the Award Committee which has, for the second time, named N.A.T. as a manufacturer of an outstanding product, recognizing that its NAT-MCH is at the forefront of this technology. Again the engineering team at N.A.T. succeeded in combining existing technology with customer requirements in a very innovative way."





The NAT-MCH-M4 is completed by a new clock mezzanine for the NAT-MCH, the NAT-MCH-CLK-PHYS dedicated to the research market. This CLK offers extremely low jitter and constant latency, realized by using a special Clock Multiplexer developed in cooperation with IDT (Integrated Device Technology Inc.). The module also provides a PCIe reference clock (spread spectrum or fixed mean at HCSL level). As with other available clock modules the NAT-MCH-CLK-PHYS can either generate its own clock or be synchronized to a reference clock being provided either by one of the system's AMCs or an external clock via the front panel clock connector.

About N.A.T.

N.A.T. offers a wide product range in data and telecommunication for industrial bus-standards and systems as AMC, μ TCA, VMEbus, CompactPCI, PMC, PCI and many others. This product offering is completed by various software protocol stack solutions in the area of telecommunication and networking which are adapted to the different hardware platforms.

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