

N.A.T.: hardware for MicroTCA and ATCA systems



■ N.A.T. releases the SRIO for its NAT-MCH and new versions of its NAMC-EXT-PS, NAMC-8560-8E1/T1/J1, NAMC-STM1/4 and NAMC-8560-IO. The NAT-MCH now offers full PCIe and SRIO support. All fabrics can be scaled to individually support 6 or 12 AMCs in a MicroTCA system. Due to its modular design the NAT-MCH allows customers to build full

scalable MicroTCA systems by selecting the required and omitting the non-required features offered by the MicroTCA and AMC standards. The benefits of SRIO are automatic error detection, guaranteed latency, high bandwidth and the low overhead for the attached CPUs, DSPs, NPUs or FPGAs. Multiprocessing and mobile applications with DSP farms demand these features.

The NAMC-8560-xE1/T1/J1 has four or eight E1 / T1 / J1 telecom interfaces and one GbE interface at the front panel. Signalling packages (SS7, ISDN) allow customers to run the module as a ready to use box solution or to integrate own software by using off the shelf Board Support Packages. With the performance of the PowerQUICC III processor the NAMC-8560-

xE1/T1/J1 is well suited for applications like high density multiplexers, multi-service switches, edge routers, digital modems and access, DSLAMs, cross-connect systems, VoIP/VoP gateways and routers and 2.5+3G network equipment.

The NAMC-STM1 and NAMC-STM4 are targeted at telecom applications dealing with SDH, such as SS7, ISDN or 3G/3.5G mobile applications in optical OC3/STM-1 or OC-12/STM-4 and SONET environments. The add/drop multiplexer/demultiplexer chipsets enable the user to add and/or drop any payload of an STM-1/STM-4 based SDH/SONET frame. ■

[News ID 1359](#)