

High channel count Simultaneous Analog IO to MTCA.4

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The DESY DAMC-FMC1Z7IO is a cost-optimised IO controller and processing board in AMC formfactor with a front panel site for FMC modules.

The module features a ZYNQ-7000 SOC that makes the AMC a networked computer node with extensive application capability.

Now manufactured under license by D-TACQ Solutions, DAMC-FMC1Z7IO also supports an MTCA.4 RTM with Z3 D1.0 signaling.

This allows the AMC module to be used with the D-TACQ ACQ400-MTCA-RTM2, a two-site module carrier allowing access to a wide range of modules from D-TACQ Solutions.

This combined with new and existing D-TACQ Simultaneous Analog and Digital I/O modules gives a powerful and flexible data acquisition solution.

Here we show some available configurations and real-world examples.

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