VadaTech’s AdvancedMC Modules
The Xilinx® Suite

Fit the performance level to your application from Artix-7® to UltraScale™

- **AMC595** UltraScale™
  - Feature:
  - UltraScale XCVU440
  - Carrier for FMC
  - 8 GBytes of DDR4 Memory
  - QoriQ PPC2040

- **AMC593** UltraScale™
  - Feature:
  - UltraScale XCKU115
  - Carrier for FMC per VITA-57
  - 8 GBytes of DDR4 Memory
  - QoriQ PPC2040

- **AMC596** UltraScale™
  - Feature:
  - UltraScale XCVU440
  - 20 SERDES lanes optionally routed to Tongue 2
  - 8 GBytes of DDR4 Memory
  - QoriQ PPC2040

- **AMC592** UltraScale™
  - Feature:
  - UltraScale XCKU115
  - Carrier for FMC per VITA-57
  - 20 GBytes of DDR4 Memory
  - Upper Ports are routed to the FPGA

- **AMC516** Virtex-7®
  - Feature:
  - Virtex-7 XC7VZ690T
  - Carrier for FMC per VITA-57
  - Option for 2GB of DDR3 memory to FPGA
  - QoriQ PPC2040

- **AMC515** Virtex-7®
  - Feature:
  - Virtex-7 XC7V2000T
  - Carrier for FMC per VITA-57
  - 2GB of DDR3
  - QoriQ PPC2040

VadaTech provides integrated complete MicroTCA platforms and all chassis, module and software elements.

Xilinx® FPGA with integrated ADC and DAC

- **AMC590** UltraScale™
  - 56 GSPS
  - 8-bit
  - 1, 2 or 4 Ch ADC

- **AMC526** Virtex-7®
  - 2.5 GSPS
  - 12-bit
  - 2 Ch ADC

- **AMC529** Virtex-7®
  - 5.7 GSPS
  - 14-bit
  - 2 Ch DAC

- **AMC521** Virtex-7®
  - Mixed Speed
  - 16-bit
  - 24 Ch ADC

- **AMC522** Kintex-7®
  - 500 MSPS
  - 16-bit
  - 8 Ch ADC
  - 2 Ch DAC

- **AMC523** Kintex-7®
  - 250 MSPS
  - 16-bit
  - 12 Ch ADC
  - 2 Ch DAC

- **AMC520** Virtex-6®
  - 125 MSPS
  - 16-bit
  - 10 Ch ADC
  - 2 Ch DAC

- **AMC511** Virtex-6®
  - 180 MSPS
  - 16-bit
  - 4 Ch ADC
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AMC527  Virtex-7
- Virtex-7 XC7VX690T
- Carrier for FMC per VITA-57
- Quad bank QDR-II+ memory and 1 GB DDR3
- Conducted cooled available

AMC517  Kintex-7
- Kintex-7 XC7K410T
- Carrier for FMC per VITA-57
- 2GB + 512 MB DDR3
- QolIQ P2040

AMC518  Zynq-7000®
- Zync-7000 programmable SoC with integral dual-core ARM Cortex-A9 processor
- Carrier for FMC per VITA-57
- 2GB of DDR3 memory
- Serial over LAN (SOL) with hardware RNG

AMC519  Artix-7®
- Artix-7 XC7A200T
- Carrier for FMC per VITA-57
- 512MB DDR3 memory
- Lower power consumption

AMC514  Virtex-6®
- Virtex-6 XC6VLX/XC6VSX
- Carrier for FMC per VITA-57
- 4GB of DDR-III memory
- QorIQ PPC1020 with DDR3

AMC512  Virtex-5®
- Virtex-5 XC5VFX/XC5VLX/XC5VSX
- Carrier for FMC per VITA-57
- Up to 512 MB of FPGA DDR2 memory

AMC502  Kintex-7®
- Kintex-7 XC7K420T
- Carrier for dual FMC per VITA-57
- 32 MB of Flash memory
- On-board crystal referenced clock source

AMC525  Virtex-7®
- Virtex-7 XC7VX690T
- Carrier for dual FMC per VITA-57
- QolIQ PPC2040
- Clock and jitter cleaner

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We deliver Complexity
We Manufacture in House