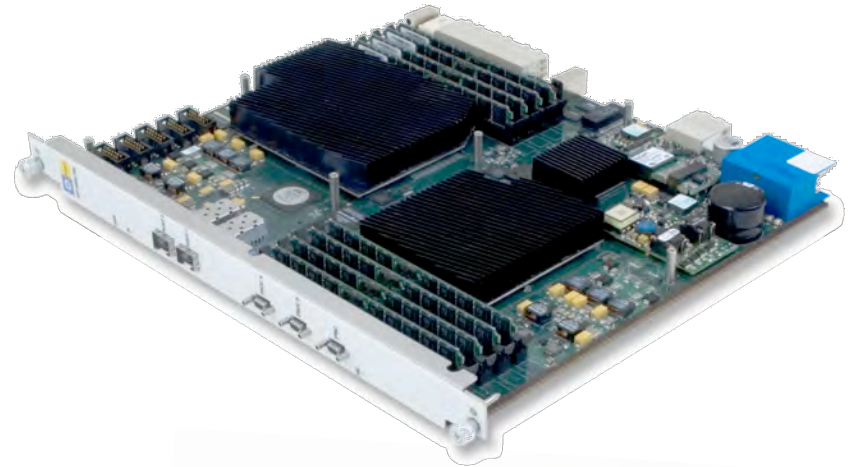


# AdvancedTCA & MicroTCA



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# Advanced TCA

- **Computing and I/O platforms based on open industry standards from PICMG.**
  - PICMG 3.0 Base Specification @ R3.0 – stable
  - PICMG 3.1 Ethernet & Fiber Channel @ R1.0, but in the ECN process for R2.0, responding to enhancements & performance changes in the Ethernet definitions.
  - PICMG 3.2, 3.3, 3.4 & 3.5 holding @ R1.0.
- **After a number of years working towards maturity, ATCA now appears to be on the growth curve.**
- **GE Fanuc is bullish on the ATCA market, one that seems to now be hitting its stride with real deployments and real revenue.**



# Micro TCA

- **Using the concepts of ATCA for smaller, plug-in platforms based on AdvancedMC Modules**

- MTCA.0 Base Specification @ R1.0 – update potential from AMC.0 R2.0 & other PICMG specification work.

- **Some diversification of MicroTCA through specification work in other areas:**

- MTCA.1 Rugged Air-Cooled MTCA – Commercial & industrial
  - MTCA.2 Hardened Air-Cooled MTCA – Transportation & Mil/Aero
  - MTCA.3 Hardened Conduction-Cooled MTCA – Mil/Aero

- **We are disappointed by the slower than expected adoption of MicroTCA, but we are seeing signs of adoption in multiple markets and therefore the potential for higher volume shipments exist.**



# Going Forward,

- **ATCA** – Power, thermal and cooling for blades at or exceeding the standard ATCA power numbers, using processor technology from today and tomorrow.
- **MicroTCA** – Help from the ecosystem so that modules and platforms can be built that meet the cost expectations of potential customers in the markets we serve.
- **MicroTCA** – Same general power, thermal and cooling issues to solve, scaled as appropriate for MTCA.



We're on our way – This show proves it



AdvancedTCA Summit  
October 16–18, 2007  
Santa Clara Convention Center

# Thanks!



GE Fanuc  
Intelligent Platforms