

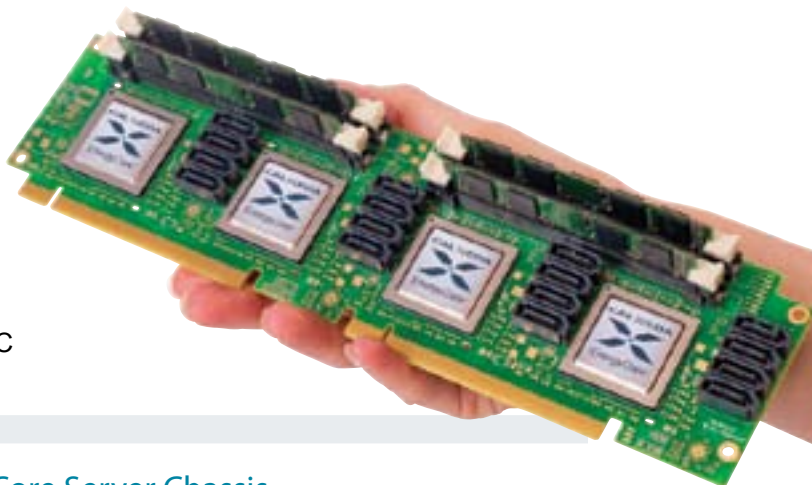
Calxeda EnergyCard™

Building Block for Ultra-Efficient EnergyCore™ Server Clusters

The Calxeda EnergyCard is designed by Calxeda to demonstrate the full breadth of capabilities offered by the EnergyCore™ SoC (server-on-a-chip). With this as a building block, system OEMs can leverage Calxeda's design expertise, allowing them to easily bring ultra-efficient, hyper-scale solutions to market in a fraction of the time required for ground up custom designs.

Calxeda Quad-Node EnergyCard: The server cluster that fits in the palm of your hand.

- Four Calxeda EnergyCore SoCs
- Four 4 GB DDR3 Mini-DIMMs (one per SoC)
- Up to five 3 Gb/s SATA ports per SoC
- Eight 10 Gigabit fabric links per card



EnergyCore Server Chassis

Similar in concept to blade servers, each EnergyCard-based server chassis contains a base system board with one or more slots compatible with Calxeda EnergyCards. The

Calxeda EnergyCore fabric is used to connect multiple EnergyCards via internal interconnects or external interface connections (1 GbE or 10 GbE). This extensible approach means that as your computing requirements grow, meeting that demand is as simple as plugging in additional EnergyCards.

For custom system board designs, please contact Calxeda Design Services.



Each design is a complete multi-node cluster that requires only a base system board for external I/O and power connectivity options. Varying base system board designs provide the flexibility needed for different application workload requirements.