A64FX is in the world's top-level supercomputer Fugaku

3 Keys to A64FX

World-leading Performance
Evolved Power Efficiency
Extensive Data Integrity

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Evolved Power Efficiency
Extensive Data Integrity

A64FX is specifically designed for high performance in HPC

A64FX is the power efficient design for HPC

Evolved Power Efficiency
High Density
3D Packaging Technology
Leakage Power Reduction
Dynamic Power Reduction

Extensive Data Integrity
Unique 128,400 error checkers to correct or detect all 1-bit errors on a chip

A64FX Applicable Area

Academia

Government

Oil and Gas

Manufacturing

• Particle physics
• Structural analysis
• Climate modeling
• Disaster prevention
• Structural analysis
• Aerodynamics
• Computational fluid dynamics
• Crash test simulations
• First principles calculation
• Weather Research and Forecasting
• First principles calculation
• First principles calculation

Awards

Graph500

HPL-AI

HPCG

TOP500

Fugaku

PRIMEHPC FX1000

PRIMEHPC FX700

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