

Tachyum Prodigy

The World's First Universal Processor

PRODUCT BRIEF

Tachyum Prodigy® TPU IoT/Edge Licensable Hardware IP

Tachyum's Prodigy is the first Universal Processor combining General Purpose Processors, High Performance Computing (HPC), Artificial Intelligence (AI), Deep Machine Learning, Explainable AI, Bio AI, and other AI disciplines with a single chip. With the tremendous growth of the AI chipset market for edge inference, Tachyum TPU (Tachyum Processing Unit) is positioned to expand the unique value proposition of its Tachyum Prodigy based training to its TPU AI Inference Engine, as a licensable core. That will allow IoT and Edge developers take full advantage of Tachyum Prodigy datacenter trained AI to make IoT/Edge devices intelligent through TPU IP.

KEY FEATURES

Specifications

- TPU AI/ML Inference IP Architecture

Simulators

- Architectural transactional simulator
- Cycle accurate simulator

Tools Support

- Assembler
- Linker
- Debugger
- Loader

Compilers Support

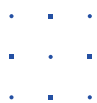
- C/C++ compiler
- Fortran compiler
- TensorFlow
- PyTorch

Operating System

- Linux

Hardware Licensable IP

- RTL in Verilog
- UVM Testbench
- Synthesis constraints



A single processor that delivers industry leading performance.



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