FPGA Processing Performance & Logic Design Flexibility accelerates Edge AI Inference and Fog Computing Tasks

**Fog Computing**
Minimize TOC, especially Cloud & Communication cost by only highly effective sensing data cloud uploading by Fog Computing Gateway analyzing.

**Edge AI Inference**
High speed Edge AI Inference processing without Server/Cloud, by FPGA programming Neural Network Model by Deep Learning.
FPGA IoT Fog Computing Gateway Platform

Features

Intel® Arria® 10 SoC inside
- High processing performance by Dual Core CPU
- High speed programmable logic for customize
- Volume sensing data Real-time processing

Higher Functional Expandability
- 4 ports USB Host for several peripherals adding on.
- mini PCIe I/F is ready.
- Proprietary Connector for custom I/F support, that FPGA direct connection

OSS for minimize development cost
- Ubuntu (Linux OS) helps easy package management
- OpenCL BSP is included, that enables C Language based FPGA logic programming implementation.
- It's also usable for AI implementation in smaller FPGA (ex. Cyclone) as test bed platform, and for Arria10 SoC FPGA evaluation purpose

Use Case

Edge equipment being intelligent by Sensor devices data integration, analyzing, Inference on IoT Fog Computing Gateway.

Total Support

FUJISOFT offers total engineering support IoT system from edge equipment HW & SW design to Cloud implementation.

For further information:

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