CRL-G18U-P3DF / CRL-G116U-P3DF

Full height, half length, PCIe Gen3 AI accelerator card based on Google® Coral Edge TPU processor, enabling AI-based real-time decision process at edge



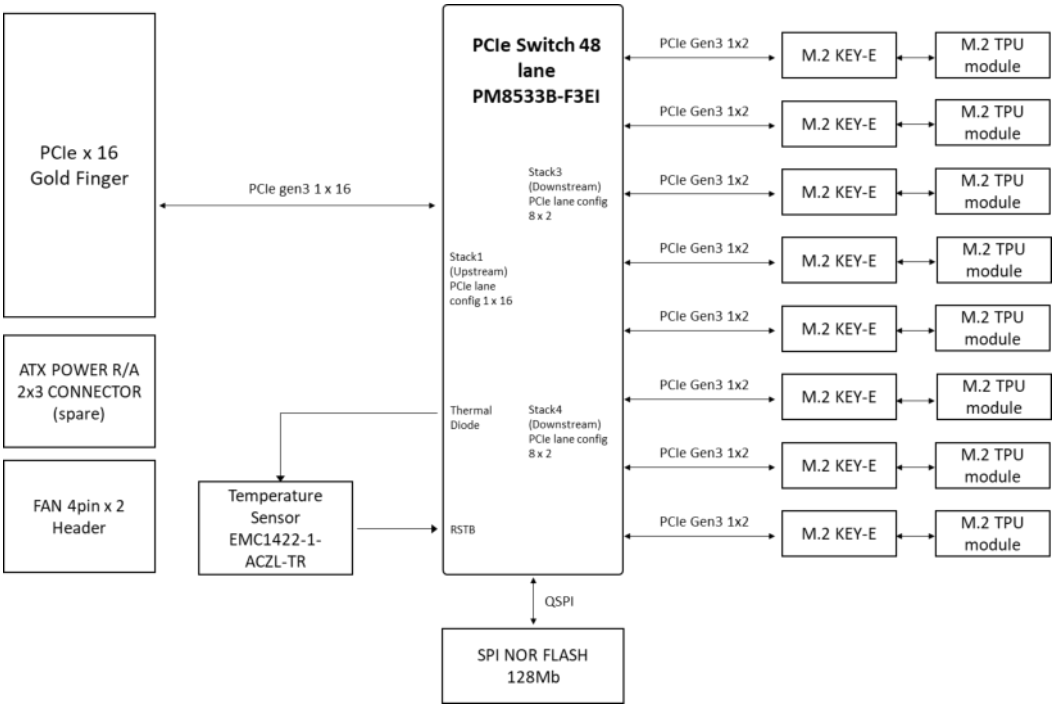
Features

- Support up to 8 & 16 x Google® Coral Edge TPU M.2 modules
- Support TensorFlow Lite machine learning framework
- Compatible with PCI Express 3.0 x16 expansion slot
- Optimized thermal design with twin tuborfans

Specifications

Main Chip	Core	Google® Coral Edge TPU Processor
PCIe Interface	Technology	PCI Express 3.0 x16
Software	Supported Framework	TensorFlow Lite
	Precision	INT8
	Performance	CRL-G18U-P3DF: 32 TOPS CRL-G116U-P3DF: 64 TOPS
Thermal Solution	FAN design	Active Fan
Power	Power Connector	1 x 6-pin 12V External Power
	Power Consumption	CRL-G18U-P3DF: 36 W CRL-G116U-P3DF: 52 W
Operating System	Linux	Ubuntu 18.04, Debian 10 *For latest OS support list, please check https://iot.asus.com/
Environment	Operating Temperature	0~55° C
	Non-Operating Temperature	-40~85° C
	Relative Humidity	0%~85%
Dimension	Width	42.1 mm
	Height	126.3 mm
	Depth	186.3 mm
Weight	Weight	CRL-G18U-P3DF: 516 g CRL-G116U-P3DF: 530 g

Block Diagram



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