

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® Edge TPU M.2 modules
- Support TensorFlow Lite machine learning framework
- Compatible with PCI Express 3.0 x 16 Expansion Slot
- Optimized thermal design with twin turbofans



With Coral
intelligence



TensorFlow Lite

Specifications

Main Chip	NPU	Google® Edge TPU Processor
PCIe Interface	Technology	PCI Express 3.0 x 16
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	42.1mm
	Height	126.3mm
	Depth	186.3mm
Weight	Weight	CRL-G18U-P3DF: 516 g CRL-G116U-P3DF: 530 g

Block Diagram

