

CRL-G18U-P3DF / CRL-G116U-P3DF



With Coral intelligence



TensorFlow Lite

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 turbofans

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

