

AI Edge Computer



Model

011-218-EY



IP42



Fanless



Low Power



DDR4



4K Ultra HD



12VDC



NVIDIA
Jetson
Nano

Features

Power Protection

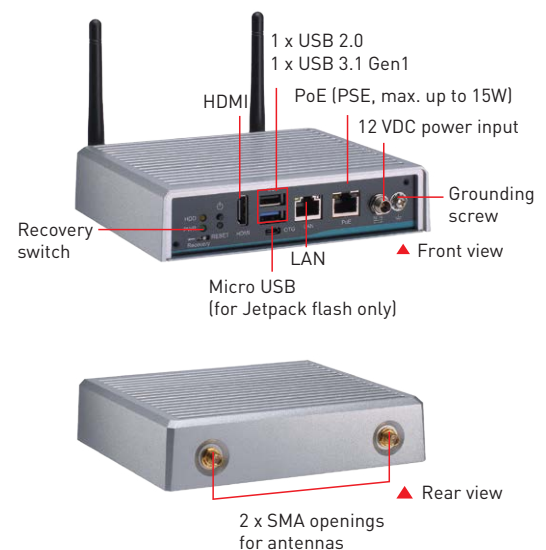
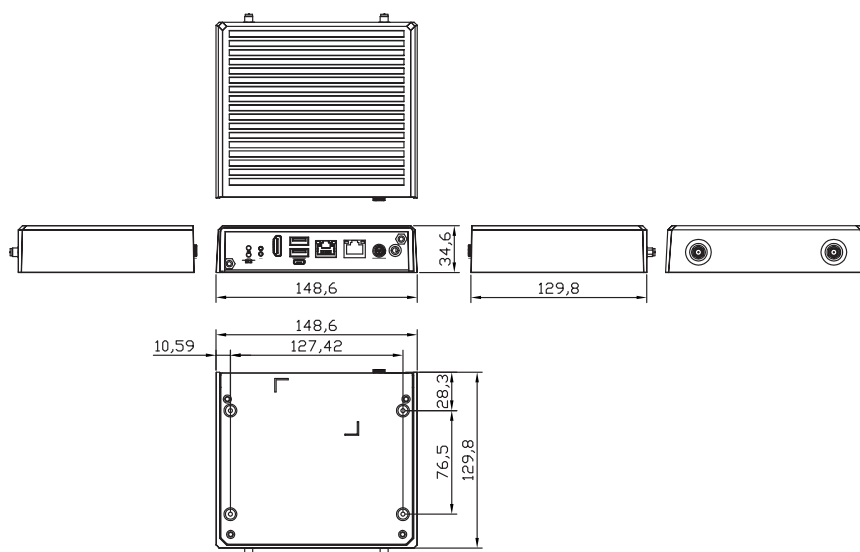
AC to DC Adapter
OVP (over voltage protection)
OCP (over current protection)
UVP (under voltage protection)
SCP (short circuit protection)

- NVIDIA® Jetson Nano™ with Maxwell™ GPU architecture with
- 128 NVIDIA CUDA® cores
- High AI computing performance for GPU-accelerated processing
- Ideal for edge AI smart city applications
- Optional IP42 cover kit for semi-outdoor applications
- Supports one 15W GbE PoE for camera
- Wide operating temperature from -30°C to +60°C
- JetPack supported

Technical Specifications

Standard Color	Silver
Construction	Aluminum extrusion and heavy-duty steel, IP40 (without IP42 cover kit)
AI Accelerator	NVIDIA® Jetson Nano™
CPU	Quad-core ARM® Cortex®-A57 MPCore processor
GPU	128-core NVIDIA Maxwell™ GPU
System Memory	4GB 64-bit LPDDR4 onboard
Carried Board	SBC87903
System I/O Outlet	1 x HDMI 2.0 with 4K2K supported 1 x 10/100/1000 Mbps Ethernet (Via Jetson Nano™) 1 x 10/100/1000 Mbps PoE (Intel® i210-IT ;max. up to 15W) 1 x USB 3.1 Gen1, 1 x USB 2.0 1 x Micro USB for image flash 1 x Recovery switch 1 x Reset button 1 x Power button 1 x 12 VDC power input connector 2 x SMA-type antenna connector
Watchdog Time	Built-in Nano
Storage	Onboard 16GB eMMC (via Jetson Nano™) 1 x M.2 Key M 2280 with PCIe x4 NVMe SSD slot 1 x Micro SD slot *The bootable device is supported by eMMC only
Expansion Interface	1 x Full-size PCI Express Mini Card slot (USB + PCI Express signal) 1 x SIM slot
System Indicator	1 x Green LED for system power-on 1 x Yellow LED for M.2 storage
Power Supply	12 VDC screw type
Operating Temperature	-30°C to +60°C (-22°F to +140°F)
Humidity	10% - 95%, non-condensing
Vibration Endurance	3 Grms with M.2 (5 to 500Hz, X, Y, Z directions)
Dimensions	148.6 mm (5.85") (W) x 129.8 mm (5.11") (D) x 34.6 mm (1.36") (H)
Weight (net/gross)	1 kg (2.20lb)/1.6 kg (3.52lb)
Certifications	CE, FCC Class A
OS Support	Linux Ubuntu 18.04

Dimensions



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