MVi100-903-FL `NEW`

Fanless Edge AI System with NVIDIA® Jetson Nano™ SoM, 1 HDMI, 1 GbE LAN, 1 GbE PoE and 2 USB

Features

- 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

NVIDIA® Jetson Nano™ available through to 2025*
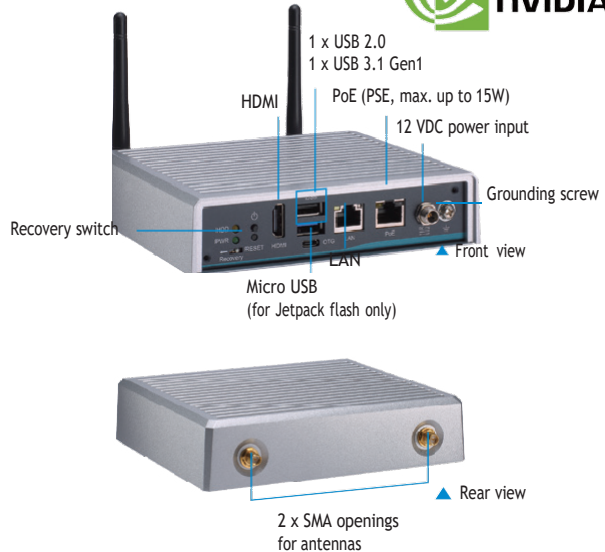The official end of life notice will be sent for at least 8 months before the last shipment.

1 x USB 2.0
1 x USB 3.1 Gen1
HDMI
PoE (PSE, max. up to 15W)
12 VDC power input
Grounding screw
Recovery switch
▲ Front view
Micro USB
(for Jetpack flash only)
LAN

2 x SMA openings
for antennas
▲ Rear view

IP42	Fanless	Low Power	DDR4	4K Ultra HD	12VDC	Jetson Nano

Specifications

Standard Color	Silver
Construction	Aluminum extrusion and heavy-duty steel, IP40 (without IP42 cover kit)
CPU Board	NVIDIA® Jetson Nano™
CPU	Quad-core ARM® Cortex®-A57 MPCore processor
GPU	NVIDIA Maxwell™ architecture with 128 NVIDIA CUDA® cores
System Memory	1 x 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 3.0, 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 Timer	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 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

Packing List

1 x Screw pack
4 x Foot pad

Power Protection

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

Ordering Information

Standard	
MVi100-903-FL	Fanless edge AI system with NVIDIA® Jetson Nano™ SoM, 1 HDMI, 1 GbE LAN, 1 GbE PoE and 2 USB

Optional	
Wall mount kit	
DIN-rail kit	
VESA mount kit	
M.2 NVMe SSD 128GB or above	
LTE module	
Wi-Fi module	
Power cord	
IP42 cover kit	
50966124050E	12V/60W adapter

* Specifications and certifications may vary based on different requirements.

Dimensions

34,6
148,6
129,8
148,6
127,42
10,59
28,3
76,5
129,8

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