

MV-GE4000P

2.5 GigE NIC



Introduction

MV-GE4000P 2.5 GigE NIC is a PCI-E gen2 x 4 Ethernet adaptor developed based on Intel® chip. It supports up to 4 independent 2.5 GigE RJ45 connectors, enhancing data throughput while improving image acquisition frame rate and line rate. Compatible with PCI-E x4, x8, and x16 slots, it delivers high transmission speed, strong compatibility, and stable performance.

Available Model

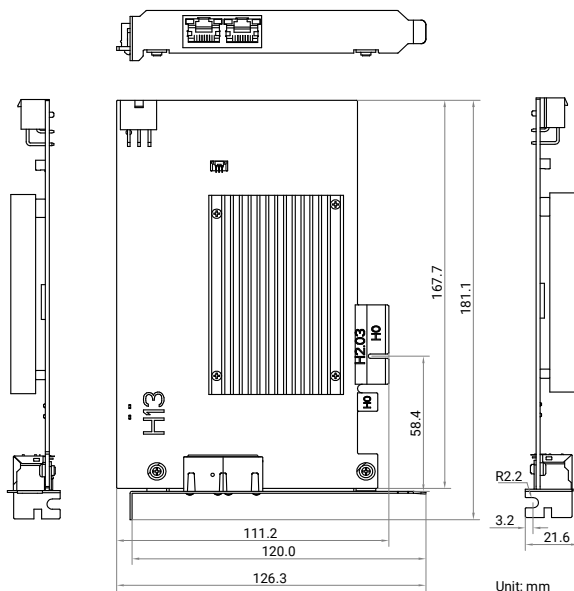
- MV-GE4002P
- MV-GE4004P

Key Features

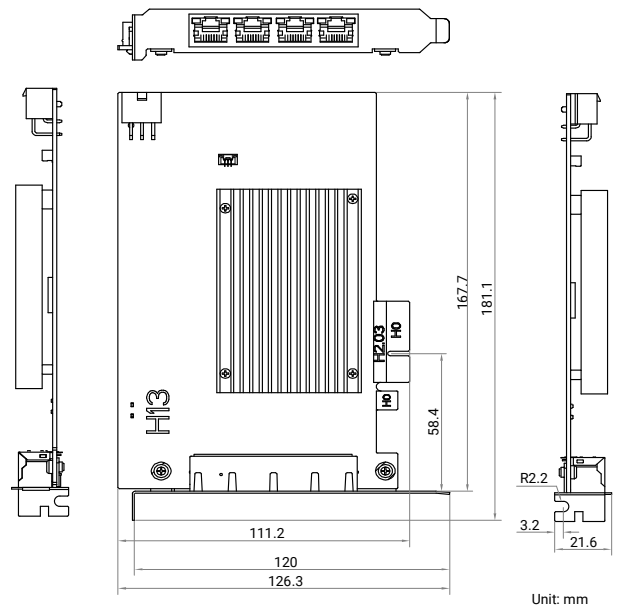
- Supports IEEE 802.3 protocol.
- Supports PCI-E gen2 x 4 bus interface.
- Adopts multiple independent 2.5 GigE POE ports.
- Supports 10/100/1000/2500 Mbps network adaptation.
- Complies with IEEE 802.3af standard, and each connector delivers up to 15.4 W of power.
- Supports jumbo frames up to 9 KB.
- Supports 3U and 4U chassis.

Dimension

MV-GE4002P



MV-GE4004P



Specification

Model	MV-GE4002P	MV-GE4004P
Host interface		
Interconnect	PCI-E gen2 × 4	
Delivery bandwidth	2000 MB/s (max. transmission bandwidth)	
Camera interface		
Standard	IEEE 802.3	
Interface	RJ45 × 2	RJ45 × 4
Camera type supported	GigE industrial camera, 2.5 GigE industrial camera	
Camera quantity supported	2 at most	4 at most
Camera connection speed	10/100/1000/2500 Mbps	
Stream	2	4
Processing feature		
Jumbo frame	9 KB	
Electrical feature		
Power consumption	4 W (without PoE)	6.1 W (without PoE)
Mechanical		
Dimension	181 mm × 126.3 mm × 21.6 mm (7.1" × 5.0" × 0.9")	
Weight	Approx. 202 g (0.4 lb.)	Approx. 210 g (0.5 lb.)
Temperature	Working temperature: 0 °C to 55 °C (32 °F to 131 °F) Storage temperature: -20 °C to 70 °C (-4 °F to 158 °F)	
Humidity	10% RH to 95% RH (no condensation)	
Cooling mode	Natural cooling, cooling fins without fans	
General		
Operating system	Windows 7/10/11, Ubuntu18.04 to 24.04 on 64-bit Linux	
Certification	CE, RoHS, KC	