

MV-GE4000

2.5 GigE NIC



Introduction

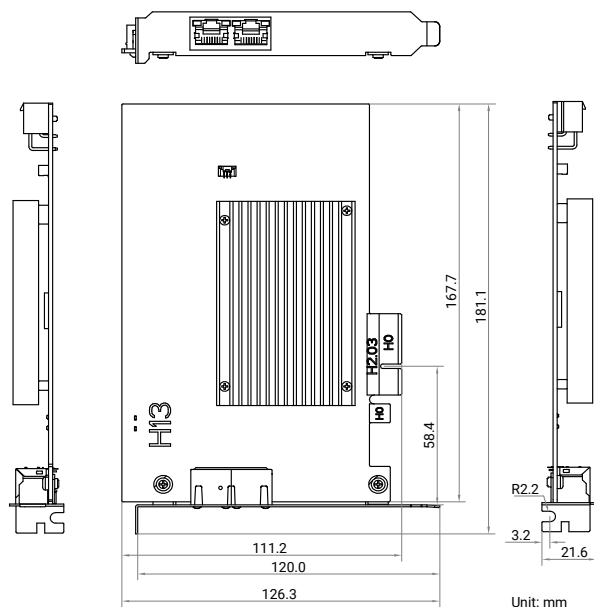
MV-GE4000 2.5 GigE NIC is a PCI-E gen2 × 4 Ethernet adaptor developed based on Intel® chip. It supports up to 4 independent 2.5 GigE RJ45 connectors, enhancing data throughput while improving image acquisition frame rate and line rate. Compatible with PCI-E x4, x8, and x16 slots, it delivers high transmission speed, strong compatibility, and stable performance.

Available Model

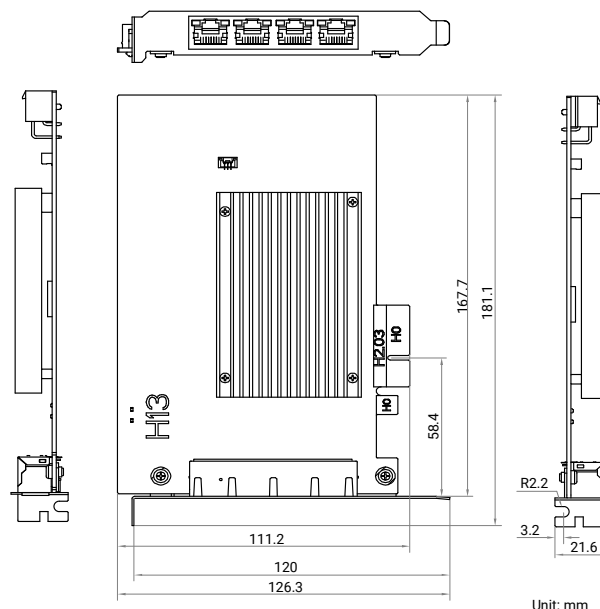
- MV-GE4002
- MV-GE4004

Dimension

MV-GE4002



MV-GE4004



Key Features

- Supports IEEE 802.3 protocol.
- Supports PCI-E gen2 × 4 bus interface.
- Adopts multiple independent 2.5 GigE ports.
- Supports 10/100/1000/2500 Mbps network adaptation.
- Supports jumbo frames up to 9 KB.
- Supports 3U and 4U chassis.

Specification

Model	MV-GE4002	MV-GE4004
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	6.3 W
Mechanical		
Dimension	181 mm × 126.3 mm × 21.6 mm (7.1" × 5.0" × 0.9")	
Weight	Approx. 182 g (0.4 lb.)	Approx. 190 g (0.4 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	