

NF212A

M.2 B+M Key 2242, PCIe to GbE / PSE LAN, I210-IT

Introduction:

Intel I210-IT LAN Chip

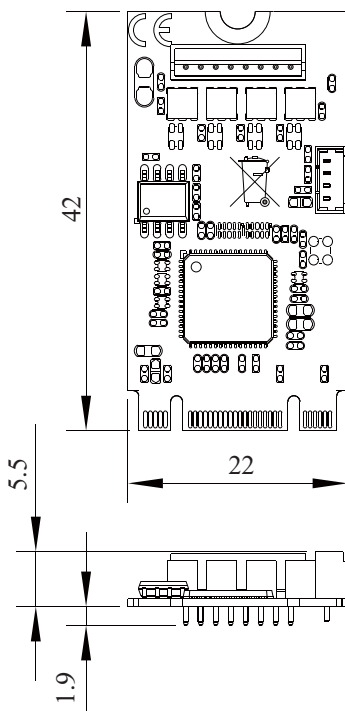
Top



Features:

- Uses Intel I210-IT LAN chipset for PCIe x 1 V2.1 interface.
- I210-IT for -40 to 85 °C industrial temperature.
- Flow control support: send / receive PAUSE frames and receive FIFO thresholds.
- IEEE 802.3az Energy Efficient Ethernet (EEE).
- IEEE 802.1q VLAN support.
- Audio-video bridging (AVB) support.
- IEEE 1588 / 802.1AS precision time synchronization.
- IEEE 802.1Qav traffic shaper (with software extensions).
- Jumbo frames size 9.5KB.
- Interrupt moderation, VLAN support, IP checksum offload.
- PCIe OBFF (Optimized Buffer Flush / Fill) for improved system power management.
- Four transmit and four receive queues.
- RSS and MSI-X to lower CPU utilization in multi-core systems.
- Advanced cable diagnostics, auto MDI-X.
- ECC-error correcting memory in packet buffers.
- Support device drivers for Windows & Linux
- Design Guarantee 0°C ~ 70°C Industrial Temperature Range

Mechanical Drawing:

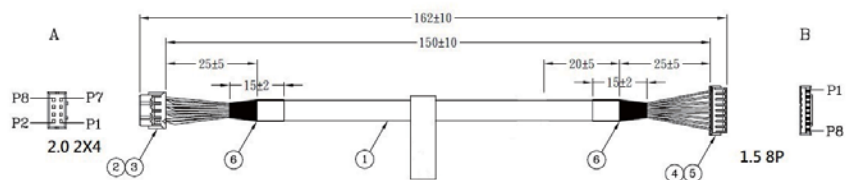


Specification:

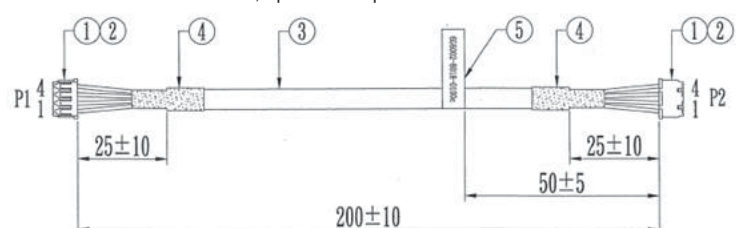
Type	M.2 B+M Key 2242, PCIe to GbE / PSE LAN, I210-IT
Input I/F	PCIe Gen2 x 1
Output I/F	1 x 8pin wafer connector
Operating Temperature	-40°C ~ +85°C
Dimensions	22 x 42 mm

Cable information:

6G6002-5040-0100



6G6002-8018-0100 L=20cm, 4p/1.25 to 4p/1.25



Specification are subject to change without prior notice. ODM / OEM is available.

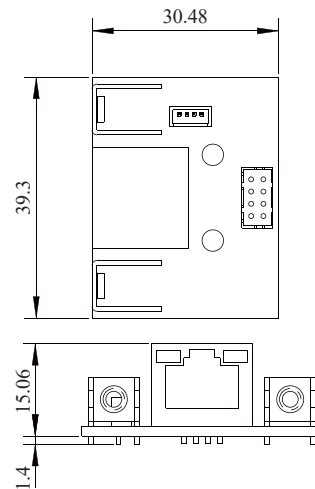
■ I/O Option:

- 1 LAN port, NF212A-1L+CL001



CL001-001: 6G9103-0001001-0

■ Mechanical Drawing:



■ PoE Option:

- 1 LAN PoE (PSE) port, NF212A-1L+PW351
- 1 LAN PoE (PD) port, NF212A-1L+PW301



PW351-PSE-001: 6G9102-0014001-0



PW301-PDRH-001: 6G9102-0010001-0

■ Mechanical Drawing:

