

NF212B

M.2 B+M Key 3042, PCIe to Dual GbE/PSE LAN, I210-IT

Introduction:

Intel I210-IT LAN Chip

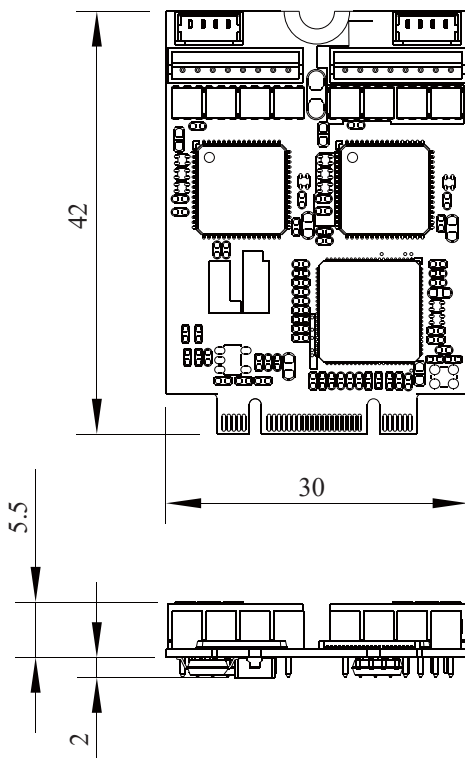
Top



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:

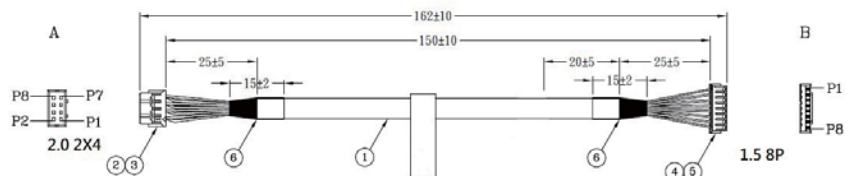


Specification:

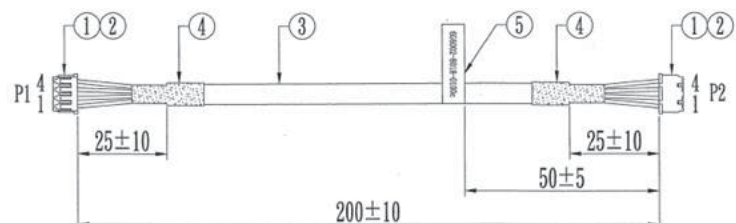
Type	M.2 B+M Key 3042 PCIe to Dual GbE/PSE LAN, I210-IT
Input I/F	PCIe Gen2 x 1
Output I/F	2 1 x 8pin wafer connector
Operating Temperature	-40°C ~ +85°C
Dimensions	30 x 42 mm

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:

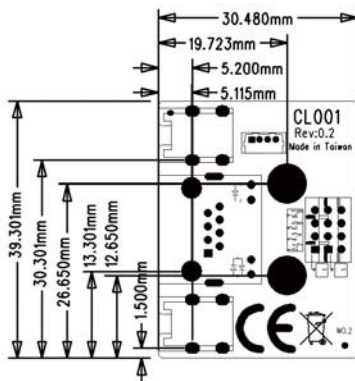
- **CL001-001**
6G9103-0001001-0



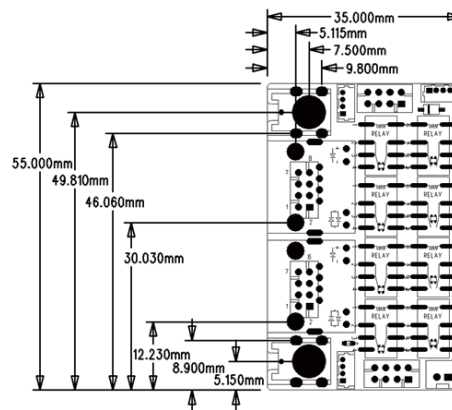
- **CL002-RJ45-001**
6G9103-0003001-0



■ Mechanical Drawing:



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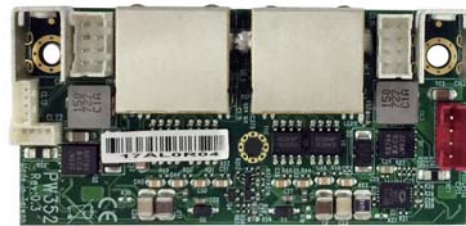


■ PoE Option:

- **PW352-M12-001**
6G9102-0027001-0



- **PW352-RJ45-002**
6G9102-0017002-0



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



■ Mechanical Drawing:

