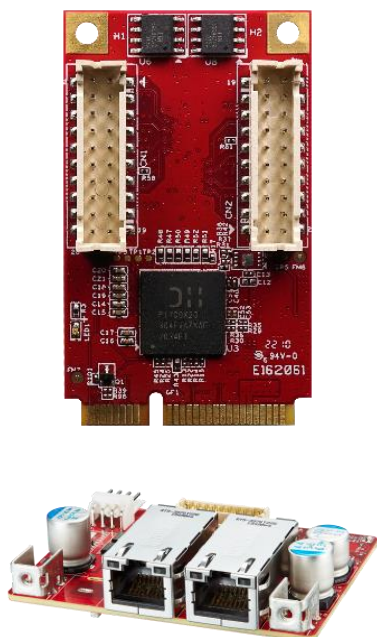




## EMPL-G2P4

mPCIe to Dual PoE+ Module

### HIGHLIGHT FEATURES

- Two independent PSE channels
- Complies with IEEE 802.3at, up to 25.5W at 52V per PoE port
- Complies with EN61000-4-2 (ESD) Air-15kV, Contact-8kV
- Supports 19V to 24V power input via 4-pin header
- Optional terminal mounting hole or bracket for daughter board
- Optional industrial temperature (-40°C to 85°C) support

### SPECIFICATIONS

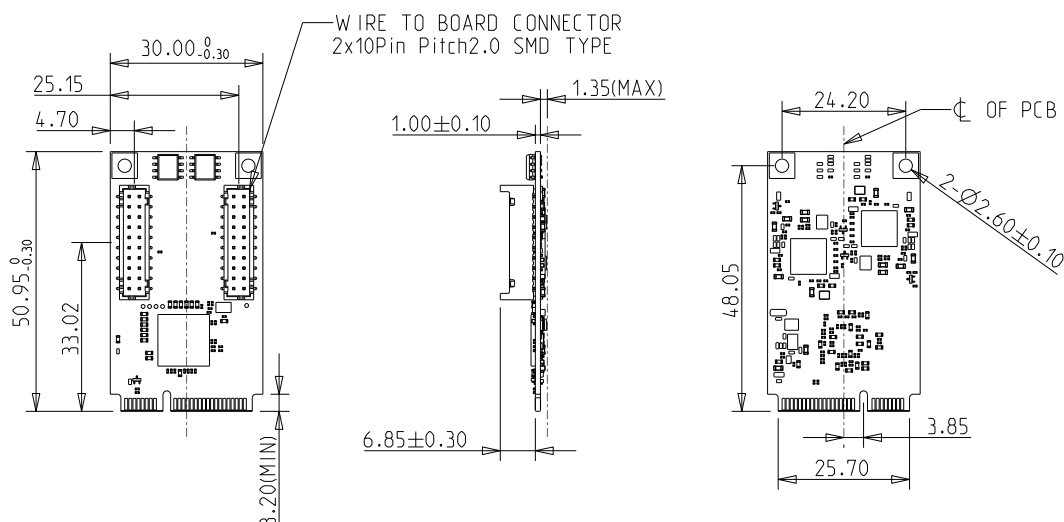
|                          |                                                                                                                                                                                                                                                                                             |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model Name               | EMPL-G2P4                                                                                                                                                                                                                                                                                   |
| Module Type              | mPCIe to Dual PoE+ Module                                                                                                                                                                                                                                                                   |
| Form Factor              | mPCIe                                                                                                                                                                                                                                                                                       |
| Function                 | PoE+                                                                                                                                                                                                                                                                                        |
| Input I/F                | PCI Express 2.1 x1                                                                                                                                                                                                                                                                          |
| Output I/F               | PoE+                                                                                                                                                                                                                                                                                        |
| Output Port              | 2                                                                                                                                                                                                                                                                                           |
| Output Connector         | RJ45                                                                                                                                                                                                                                                                                        |
| Max. Power Consumption   | LAN : 2.854W (3.3V, 865mA)<br>PoE : 30W                                                                                                                                                                                                                                                     |
| Dimension (W x L x H/mm) | Main Board : 30 x 50.9 x 9.2<br>Daughter Board : 72.7 x 56.3 x 22.07                                                                                                                                                                                                                        |
| Temperature              | Operation : S/T 0° ~ 70°C ; W/T -40°C ~ 85°C (Ta)<br>Storage : -55°C ~ 95°C (Ta)                                                                                                                                                                                                            |
| Vibration                | 5G@[7~2000Hz]                                                                                                                                                                                                                                                                               |
| Shock                    | 50G@0.5ms                                                                                                                                                                                                                                                                                   |
| OS Support               | Windows : 10 (64bit), and above version<br>Linux (igc) : Kernel 5.x version                                                                                                                                                                                                                 |
| Warranty                 | 3 Years                                                                                                                                                                                                                                                                                     |
| Notes                    | <ul style="list-style-type: none"><li>• Please download driver from Intel official website.</li><li>• Linux Kernel rebuild is needed (modify igc driver) if version &lt; 5.15.</li><li>• Not recommend used in VMware ESXi due to High Latency.</li><li>• Not support Intel vPro.</li></ul> |

## ORDER INFO.

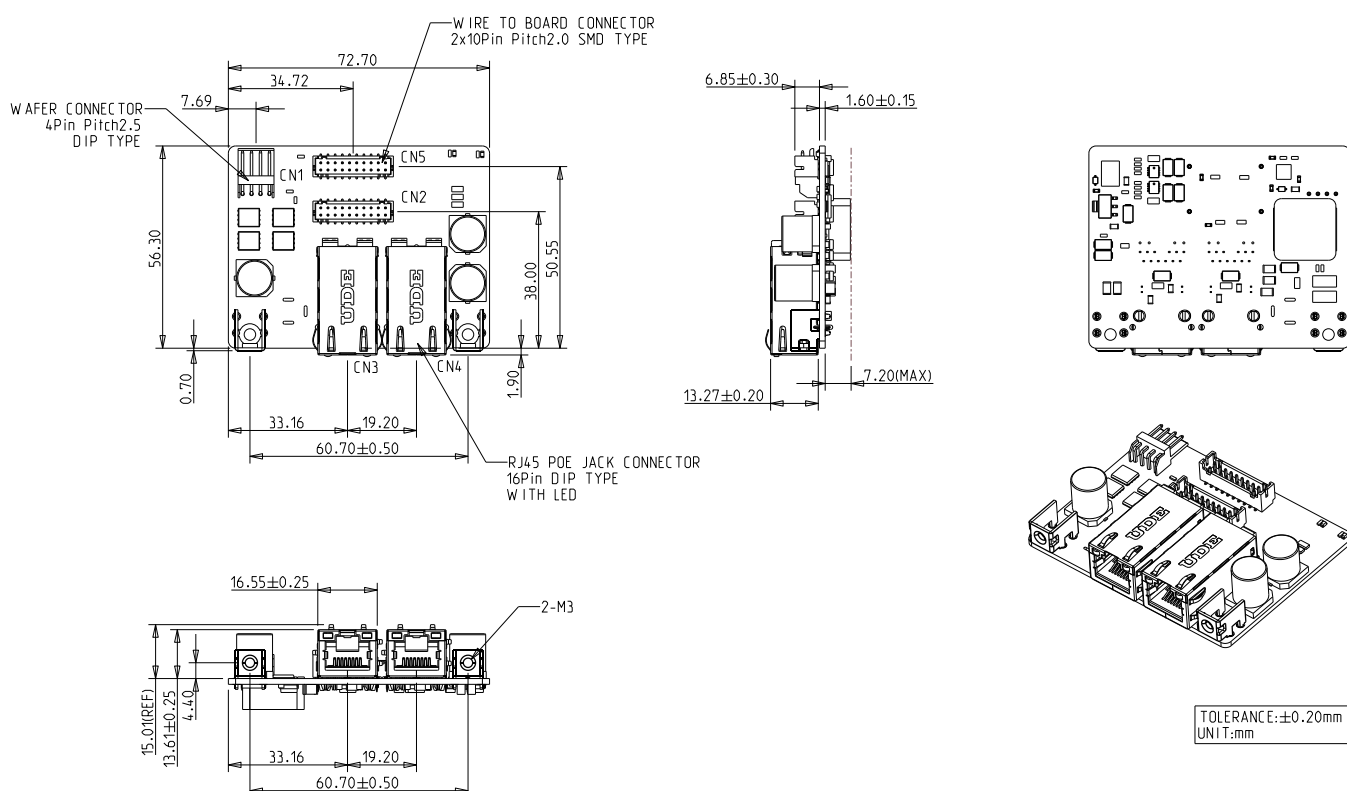
| P/N          | Description                                                                   |
|--------------|-------------------------------------------------------------------------------|
| EMPL-G2P4-C1 | mPCIe to Dual PoE+ Module, Mounting Hole, 4-pin Header / Standard Temperature |
| EMPL-G2P4-W1 | mPCIe to Dual PoE+ Module, Mounting Hole, 4-pin Header / Wide Temperature     |
| EMPL-G2P4-C2 | mPCIe to Dual PoE+ Module, Bracket, 4-pin Header / Standard Temperature       |
| EMPL-G2P4-W2 | mPCIe to Dual PoE+ Module, Bracket, 4-pin Header / Wide Temperature           |

## MECHANICAL DRAWING

### Main Board

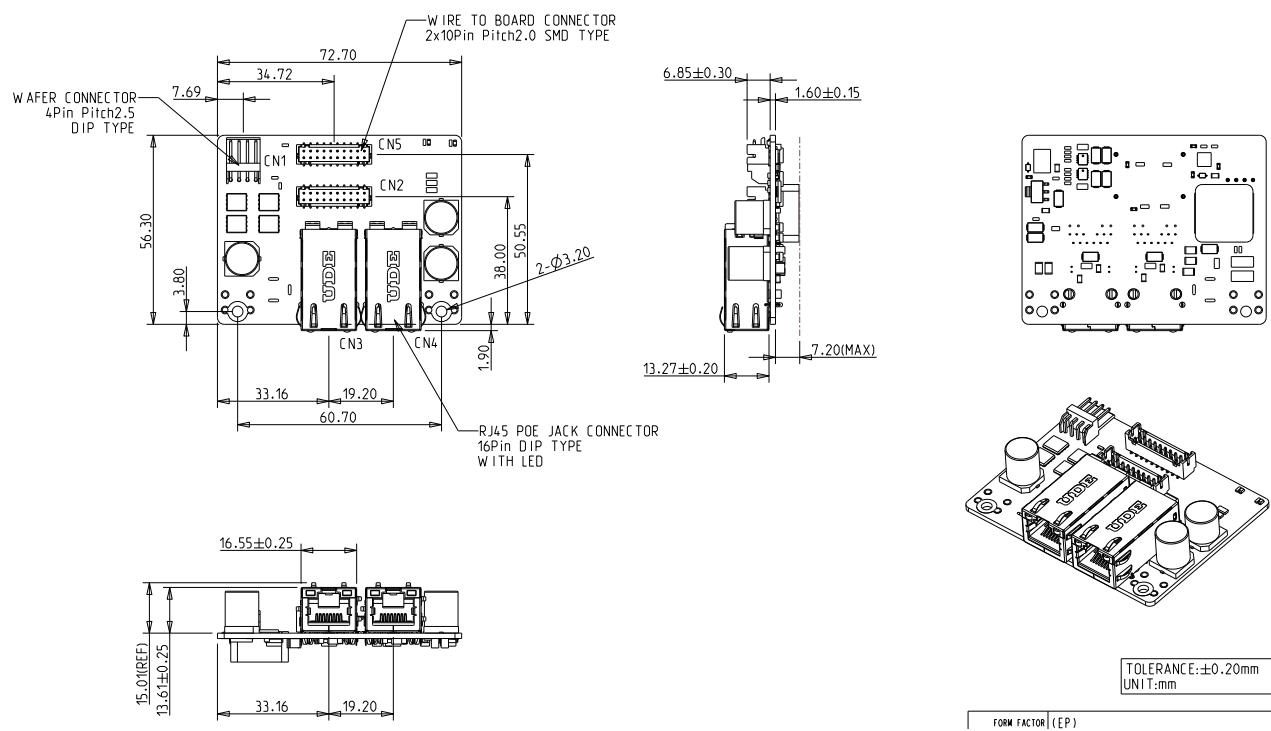


### EMPL-G2P4-C1 / W1 Daughter Board and Mechanical Drawing

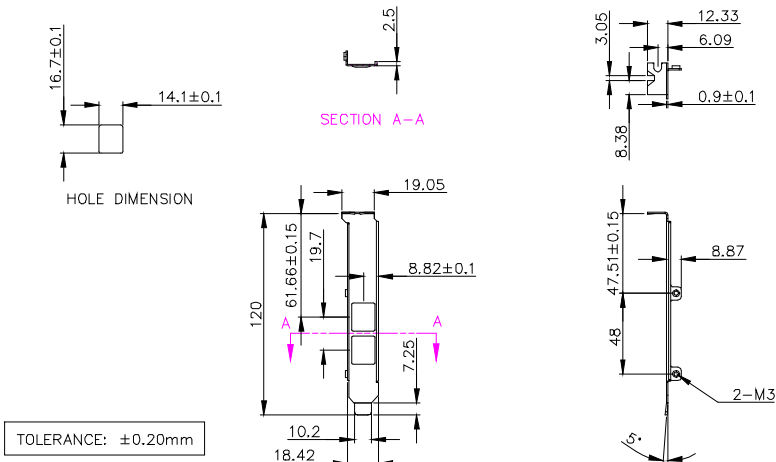


MECHANICAL DRAWING

EMPL-G2P4-C2 / W2 Daughter Board and Mechanical Drawing



Bracket



PIN DEFINE

| CAN Connector Pin Define |          |
|--------------------------|----------|
| 1                        | NC       |
| 2                        | GND      |
| 3                        | GND      |
| 4                        | 19 ~ 24V |