

EMPL-22S1

mPCIe to Dual Isolated 2.5GbE LAN Module

HIGHLIGHT FEATURES

- Intel i226 controller
- Complies with EN61000-4-5 2kV surge protection
- Complies with IEC 60950-1 : 2005 + A1 : 2009 + A2 : 2013 2kV HiPOT protection
- Complies with EN61000-4-2 (ESD) Air-15kV, Contact-8kV
- Flexible daughter board with cable to fit into different system
- Optional terminal mounting hole or bracket for daughter board
- Optional Industrial Temperature (-40°C to 85°C) support

SPECIFICATIONS

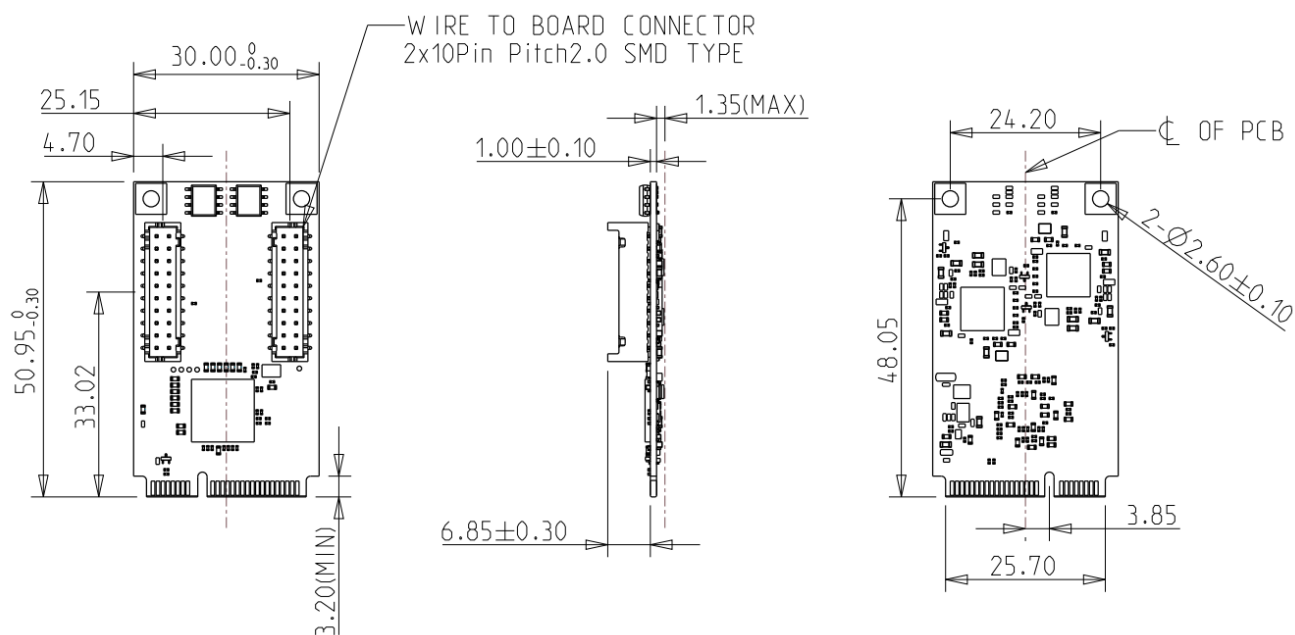
Model Name	EMPL-22S1
Module Type	mPCIe to Dual Isolated 2.5GbE LAN Module
Form Factor	mPCIe
Function	LAN
Input I/F	PCI Express 2.1 x1
Output I/F	2.5GbE LAN
Output Port	2
Output Connector	RJ45
Max. Power Consumption	3.016W (3.3V, 914.6mA)
Dimension (W x L x H/mm)	Main Board : 30 x 50.9 x 9.2 Daughter Board : 59.5 x 30 x 17.32
Temperature	Operation : S/T 0°C ~ 70°C ; W/T -40°C ~ 85°C (Ta) Storage : -55°C ~ 95°C (Ta)
Vibration	5G@[7~2000Hz]
Shock	50G@0.5ms
OS Support	Windows : 10 (64bit), and above version Linux (igc) : Kernel 5.x version
Warranty	3 Years
Notes	• Please download driver from Intel official website. • The speed might be ≤ 1.6 Gbits/sec when using dual LAN at the same time. • Linux Kernel rebuild is needed (modify igc driver) if version < 5.16.18. • Not recommend used in VMware ESXi due to High Latency. • Not support Intel vPro.

ORDER INFO.

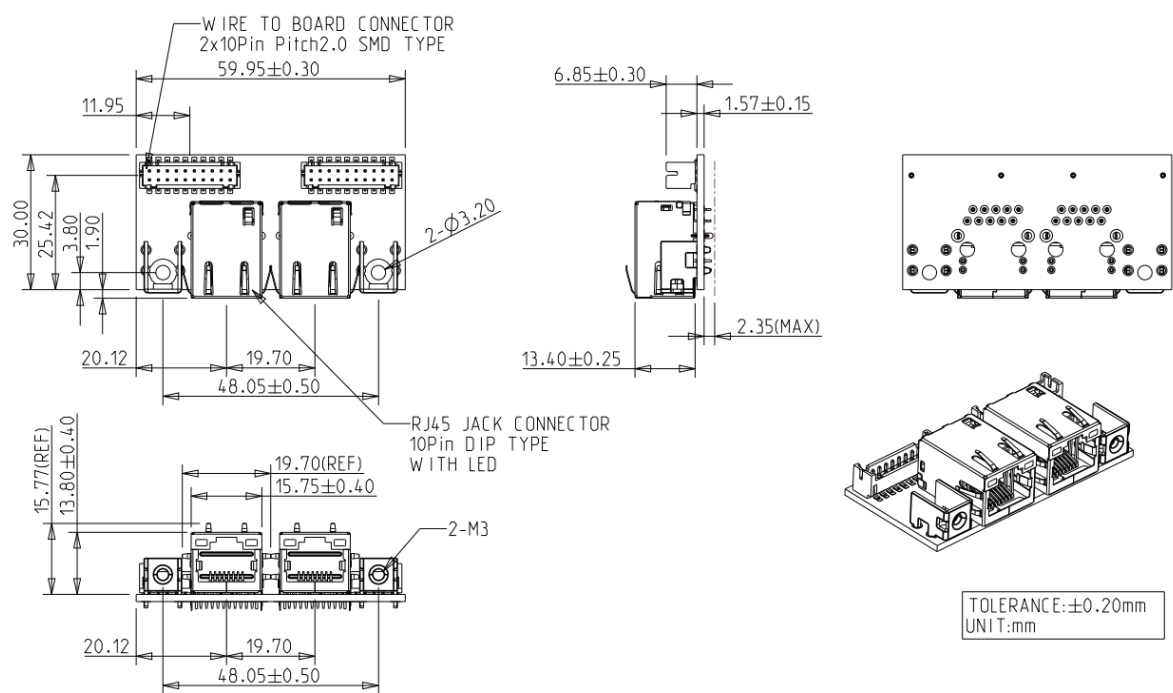
P/N	Description
EMPL-22S1-C1	mPCIe to Dual Isolated 2.5GbE LAN Module, Mounting Hole / Standard Temperature
EMPL-22S1-W1	mPCIe to Dual Isolated 2.5GbE LAN Module, Mounting Hole / Wide Temperature
EMPL-22S1-C2	mPCIe to Dual Isolated 2.5GbE LAN Module, Bracket / Standard Temperature
EMPL-22S1-W2	mPCIe to Dual Isolated 2.5GbE LAN Module, Bracket / Wide Temperature

MECHANICAL DRAWING

Main Board

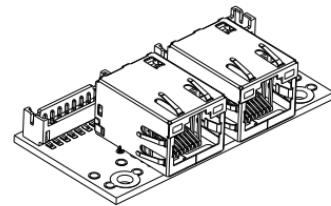
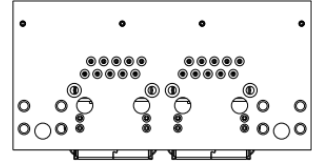
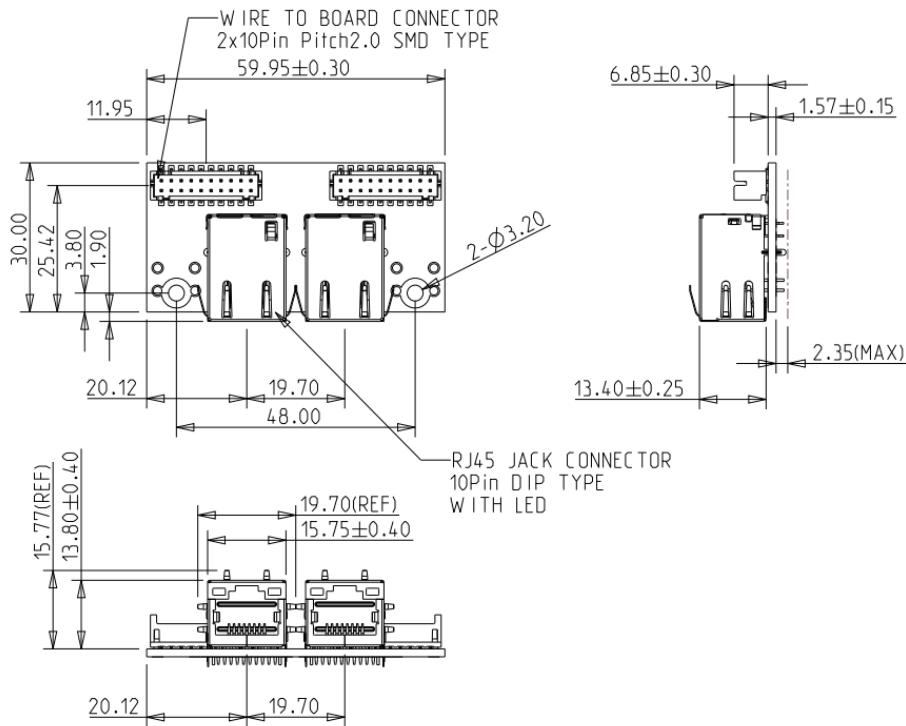


EMPL-22S1-C1 / W1 Daughter Board



MECHANICAL DRAWING

EMPL-22S1-C2 / W2 Daughter Board



TOLERANCE: ±0.20mm
UNIT: mm

HQ (Taiwan) T +886-2-7703-3000 / E sales@innodisk.com

CN T +86-755-2167-3689 / E sales_cn@innodisk.com

US T +1-510-770-9421 / E usasales@innodisk.com

EU T +31-40-3045-400 / E eusales@innodisk.com

JP T +81-3-6667-0161 / E jp_sales@innodisk.com

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