



EMPL-21N1

mPCIe to Single 2.5GbE LAN Module

HIGHLIGHT FEATURES

- Intel i226 controller
- Complies with EN61000-4-2 (ESD) Air-15kV, Contact-8kV
- Transformer on PCB for flexible cable design
- External LED indicator pin for speed 10 / 100 / 1000 / 2500
- Optional industrial temperature (-40°C to 85°C) support
- 30μ" golden finger, 3-year warranty
- Industrial design, manufactured in Innodisk Taiwan

SPECIFICATIONS

| | |
|---------------------------------|---|
| Model Name | EMPL-21N1 |
| Module Type | mPCIe to Single 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 | 1 |
| Output Connector | RJ45 |
| Max. Power Consumption | 2.1318W (3.3V, 646mA) |
| Dimension (W x L x H/mm) | 29.85 x 50.8 x 9.35 |
| 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 | <ul style="list-style-type: none"> • Please download driver from Intel official website. • 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-21N1-C1 | mPCIe to Single 2.5GbE LAN Module / Standard Temperature |
| EMPL-21N1-W1 | mPCIe to Single 2.5GbE LAN Module / Wide Temperature |

MECHANICAL DRAWING

Main Board

