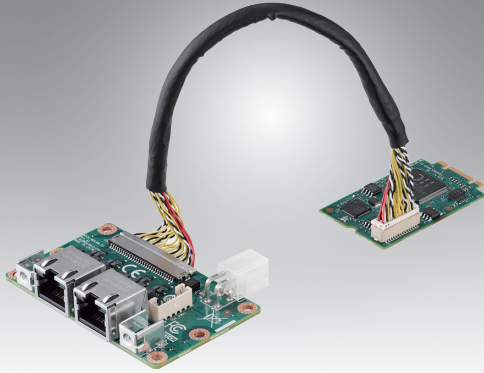


MIOe-M2LAN

M.2 3052 extension board to Dual LAN ports with 2.5GbE

NEW



CE FCC

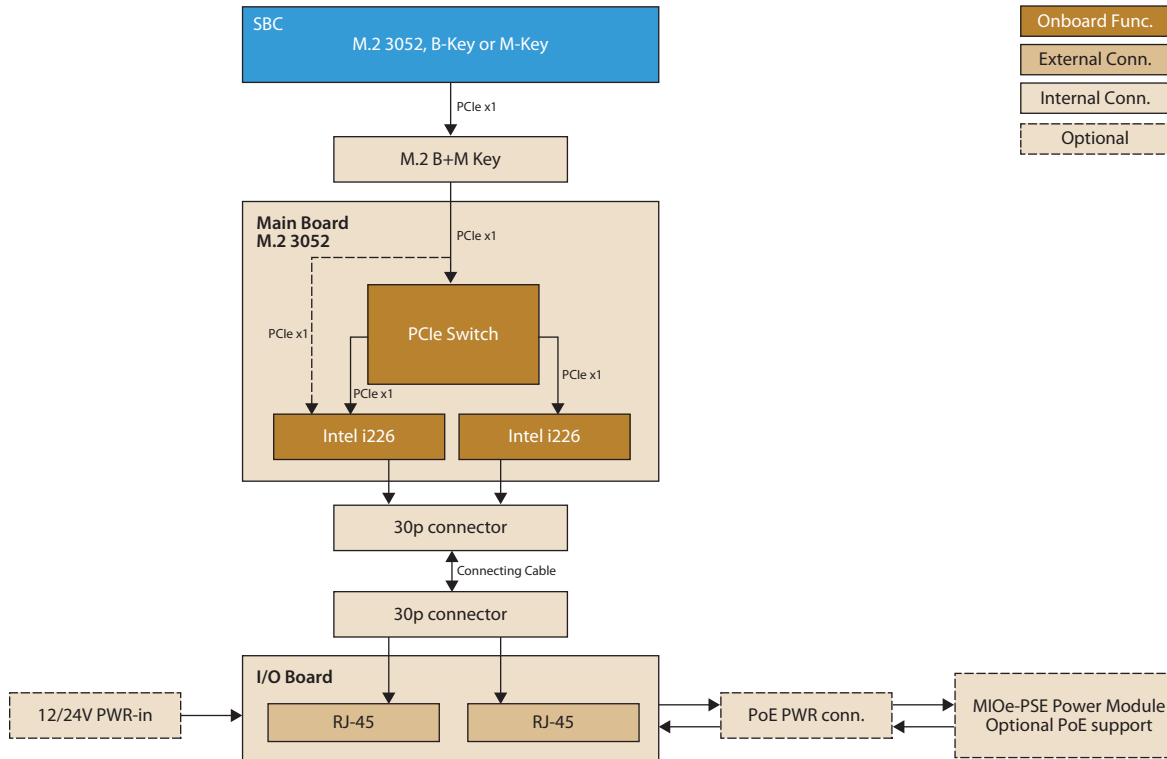
Features

- Utilize M.2 3052 slot for LAN port extension
- Main Board: M.2 3052, B+M Key, PCIe x1
- Support Dual 2.5GbE from Intel i226
- Optional Support PoE with MIOe-PSE (Power Module)
- PoE follow IEEE 802.3 af, support 15.4W / per port
- Support -40~85°C extend temp. operating

Specifications

| | | | |
|---------------|----------------------|---|--|
| General | Board | Main Board | I/O Board |
| | Interface | PCIe x1 | N/A |
| | M.2 Key | B Key +M Key | N/A |
| | Form Factor | M.2 3052 | N/A (Same dimension with MIOe-PSE) |
| Ethernet | Controller | 2x Intel i226 | N/A |
| | Speed | 2.5 GbE | N/A |
| | PoE Support | N/A | Optional Support with MIOe-PSE (IEEE 802.3 af, support 15.4W / per port) |
| External I/O | LAN port | N/A | 2x RJ45 (Wake on LAN feature is supported by request with custom BIOS) |
| Environment | Temperature | Operating: Standard: 0 ~ 60 °C (32 ~ 140 °F); Extend: -40 ~ 85 °C (-40 ~ 185 °F) with 0.7m/s airflow Storage: -40 ~ 85 °C (-40 ~ 185 °F) | |
| | Humidity | Operating: 40 °C @ 95% relative humidity, non-condensing Storage: 60 °C @ 95%relative humidity, non-condensing | |
| | Vibration Resistance | 3.5 Grms | |
| Certification | EMC | CE, FCC Class B | |
| Mechanical | Dimensions | 30.0 x 52.0 x 0.8 mm | 72.1 x 44.0 x 1.6 mm |
| Compatibility | Compatible SBC | MIO-5377, MIO-5377R, MIO-2364 MIO-5154, MIO-5354, MIO-5376, AFE-E350, AFE-R360 with BOM option by request | |
| OS support | | Windows 11 IoT Ent. LTSC 2024 64b Windows 10 IoT Ent. LTSC 2021 64b | |

Block Diagram



Ordering Information

| Part No. | Description | LAN port | Operating Temperature |
|------------------|--|----------|-----------------------|
| MIOe-M2LAN-DPA1 | M.2 3052 to Dual 2.5GbE LAN port | 2 | 0 ~ 60 °C |
| MIOe-M2LANW-DPA1 | M.2 3052 to Dual 2.5GbE LAN port, Extend Temp. Support | 2 | -40 ~ 85 °C |

Packing List

| Part No. | Description | Quantity |
|---------------|------------------------|----------|
| | MIOe-M2LAN Main Board | 1 |
| | MIOe-M2LAN I/O Board | 1 |
| 1700023289-21 | Connecting Cable, 20cm | 1 |

Optional Accessories

| Part No. | Description |
|---------------|-----------------------------------|
| MIOe-PSE-DPA1 | MIOe-PSE PoE Module A1 dual 15.4W |

Note: BOM option is required for MIOe-PSE and PoE support.

I/O Board Side View



Assembly with MIOe-PSE for PoE support

