

# 2I847PW

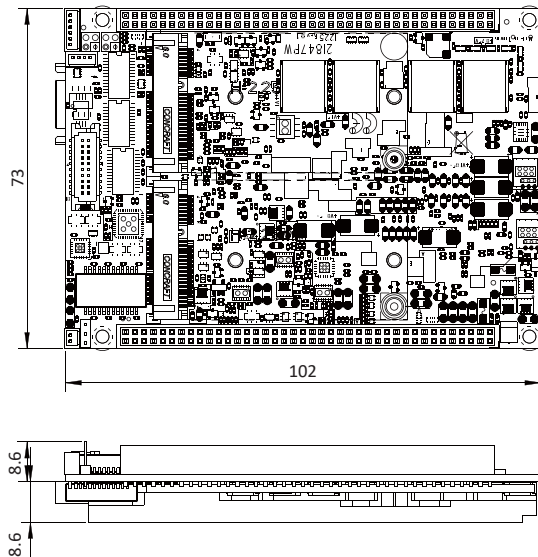
**Pico Express Computer on Module supports**  
**3rd Gen Intel® Ivy Bridge, i7 / i3 / Celeron 1047UE CPU,**  
**VGA, HDMI, 2 x Intel Gb Ethernet**  
**4DI / 4DO, 6 x USB, 2 x COM, 2 x Mini PCIe, 1 x PCIe**



## Features:

- 3<sup>rd</sup> Gen Intel® Ivy Bridge, i7 / i3 / Celeron 1047UE CPU
- Intel® PCH HM76
- On Board DDR3 2GB / 4GB
- Multiple Independent display: VGA & HDMI
- 2 x Intel GbE LAN, 1 x USB 3.0, 5 x USB 2.0
- 2 x COM, 4DI / 4DO, 2 x Mini PCIe, 1 x PCIe

## Dimensions: (Unit:mm)



## Specifications :

- CPU  
3<sup>rd</sup> Gen Intel® Ivy Bridge, i7 / i3 / Celeron 1047UE CPU
- MB Chipset  
Intel® PCH HM76
- Graphics  
Intel® HD Graphics, Support DirectX 11 & OpenGL 3.0
- System Memory  
On Board DDR3 2GB/ 4GB
- Storage  
1 x mini card socket for mSATA  
1 x SATA ports 2.0 Data transfer rates up to 3.0 Gb/s (300 MB/s), Share with mSATA 2
- BIOS  
AMI UEFI BIOS
- Display  
1 x VGA, 1 x HDMI
- LAN  
1 x Intel GbE 82579LM (internal)  
1 x Intel GbE 82574L (internal)
- Audio (OEM)  
High Definition Audio Specification, Support Line-out / Mic-in / Line-in
- Expansion Interface  
1 x Full size Mini PCIe (PCIe / USB)  
1 x Full size Mini PCIe (PCIe / mSATA / USB)  
1 x PCIe 1x  
Pico Express 160-pin connector

### Expansion Module

IO expanded via 160-pin connector

#### Carrier Board :

|        |                                                                                        |
|--------|----------------------------------------------------------------------------------------|
| DK001: | DVI, VGA, 5 x USB, 2 x LAN, 4 x COM, 4 x Mini PCIe, 4 x SIM                            |
| DK002: | HDMI, VGA, 5 x USB, 2 x LAN, 4 x COM, 2 x Mini PCIe, 2 x SIM                           |
| DK006: | VGA, 5 x USB, 2 x LAN, 4 x COM, 4 x BNC Board                                          |
| DK005: | HDMI, VGA, 5 x USB, 4 x COM, 8 x PoE, 1 x GbE, 4x Mini PCIe, 2 x SIM                   |
| DK007: | VGA, 5 x USB, 4 x COM, 2 x PoE, 2 x Mini PCIe, 2 x SIM                                 |
| DM001: | M12 Board (mini HDMI, VGA, 2 x USB, 4 x COM, 8 x PoE, 1 x GbE, 3 x Mini PCIe, 1 x SIM) |
| DM002: | M12 Board (mini HDMI, VGA, 2 x USB, 4 x COM, 2 x GbE, 1 x Mini PCIe, 1 x SIM)          |

- USB  
1 x USB 3.0 (internal), 5 x USB 2.0 (internal)
- Serial IO  
2 x RS232 / 422 / 485 (internal)
- GPIO  
Hardware digital Input & Output, 4 x DI / 4 x DO
- WDT  
Hardware Watch Dog Timer, 0~255 sec programmable
- PS2 KB / MS  
PS2 KB / MS
- Power Input  
Wide Range +9~36V
- Dimension  
Pico-ITX 2.5" (102 x 73 mm)
- Operation Temperature  
-20°C~70°C (100 % CPU Usage)
- Operation Humidity  
5~95%, non-condensing
- Chassis (OEM I/O Expansion by request)  
Box PC: TWIN, TINO, ARK-I, ARK-II