

21385PW

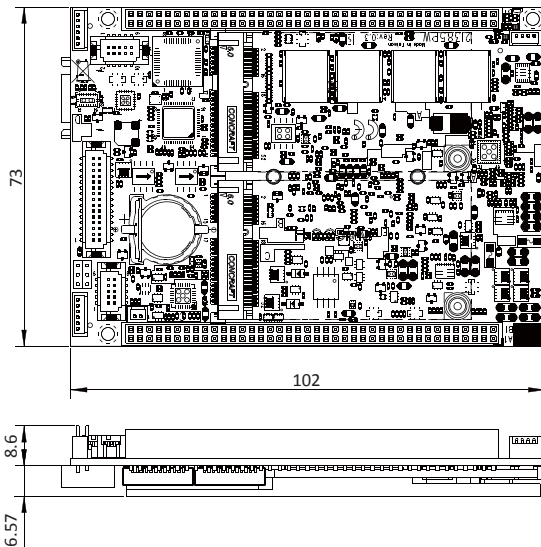
Pico Express Computer on Module supports
Intel® Bay Trail Atom / Celeron CPU
VGA, HDMI, LVDS, Touch, 2 x Intel Gb Ethernet, Audio,
4DI / 4DO, 6 x USB, 4 x COM, 2 x Mini PCIe, 1 x PCIe



Features:

- Intel® Bay Trail-H Atom™ E3825 1.33GHz (Dual Core)
Intel® Bay Trail-H Atom™ E3845 1.91 GHz (Quad Core)
Intel® Bay Trail-D Celeron® J1900 2.0GHz (Quad Core)
- On Board DDR3L 1066 / 1333 MHz 2GB / 4GB
- Multiple Independent display: VGA, HDMI & LVDS
- 2 x Intel GbE LAN, 1 x USB 3.0, 5 x USB 2.0, Audio
- 4 x COM, 4DI / 4DO, 2 x Mini PCIe, 1 x PCIe

Dimensions: (Unit:mm)



Specifications :

- CPU
 - Intel® Bay Trail-H Atom™ E3825 1.33GHz (Dual Core)
 - Intel® Bay Trail-H Atom™ E3845 1.91 GHz (Quad Core)
 - Intel® Bay Trail-D Celeron® J1900 2.0GHz (Quad Core)
 - MB Chipset
 - Intel® Bay Trail SoC
 - Graphics
 - Intel Gen7 graphic engine
 - DirectX11, OpenGL3.2, OpenCL1.1 ; Full HW acceleration, decode: H.264, MPEG 2 / 4, VC-1, WMV9. Encode: H.264, MPEG2
 - System Memory
 - On Board DDR3L 1066 / 1333 MHz 2GB / 4GB
 - Storage
 - 1 x SATA ports 2.0 Data transfer rates up to 3.0 Gb/s (300 MB/s), Share with mSATA
 - 2 x mini card socket for mSATA
 - BIOS
 - Insyde UEFI BIOS
 - Display
 - 1 x VGA, 1 x HDMI, Dual Channel, 48 bits LVDS
 - Touch
 - COM touch screen controller
 - LAN
 - 2 x Intel GbE I210IT (internal)
 - Audio
 - High Definition Audio Specification, Support Line-out / Mic-in / Line-in
 - Two channel Class D Audio Amplifier
 - Expansion Interface
 - 1 x Full size Mini PCIe (PCIe / mSATA / USB)
 - 1 x Full size Mini PCIe (mSATA)
 - 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
 - 4 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