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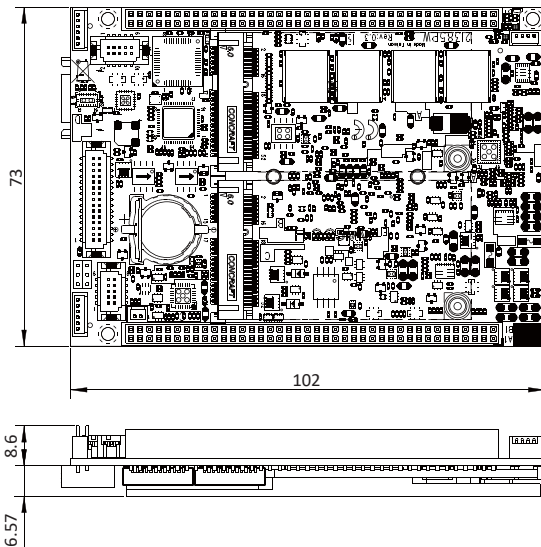
Pico Express Computer on Module supports
Intel® Bay Trail Atom / Celeron CPU
VGA, HDMI, LVDS, Touch, 2 x Intel Gb Ethernet, Audio,
4DI / 4DO, 6 x USB, 4 x COM, 2 x Mini PCIe, 1 x PCIe



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
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
- OS Support**
Windows® 10 IOT (64bit), Windows® 8.1 (64bit), Windows® Embedded 8 Standard (64bit),
Windows® 7 (32 / 64bit), Windows® Embedded Sta 7 (32 / 64bit),
Ubuntu 14.10 above, Fedora 25 above, Debian 8 above, CentOS 7.3 above,
Mint 18.1 above

Specification are subject to change without prior notice. ODM / OEM is available.