# PI800

## PICO-ITX Motherboard
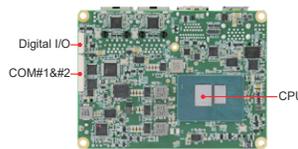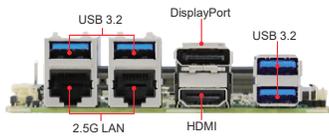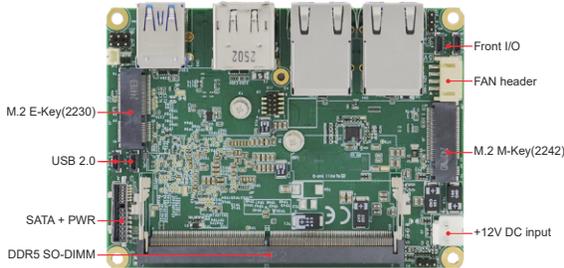### Intel® Atom® x7000RE Series Processors

**Preliminary**

## Features

- Onboard Intel® Atom® x7000RE Series Processors
- 1x DDR5-4800 SO-DIMM, Max. 16GB
- supports HDMI (2.0b) and DisplayPort (1.2a)
- 2x RTL-8125BI PCIe 2.5G LAN, 2x COM (RS232/422/485)
- 4x USB 3.2 (Type-A), 2x USB 2.0, 1x SATA III
- 2x M.2 sockets (M2242 [SATA + PCIe] + E2230 [USB + PCIe])
- Watchdog timer, Digital I/O, TPM (2.0), +12V DC input only
- PCB dimensions: 100mm x 72mm



PI800 Board with heatsink

## Specifications

| | |
|---|---|
| CPU | Intel® Atom® 8-Core x7835RE SoC |
| PCH | N/A |
| Memory | 1x DDR5-4800 MHz, Max. 16GB |
| BIOS | AMI |
| Watchdog Timer | 256 levels |
| H/W Monitor | Yes |
| Storage Device Interface | 1x M.2 M-Key 2242 (SATA) |
| Expansion Slots | 1x M.2 (M2242), 1x M.2 (E2230) |
| Mini Type Slots | 1x M.2 (M-Key, type:2242, supports SATA & PCIe(x1) signal) 1x M.2 (E-Key, type: 2230, supports USB 2.0 & PCIe(x1) signal) |
| Graphics Controller | Intel® SoC integrated graphics |
| Video Output | 1x HDMI (2.0b) 1x DisplayPort 1.2a (DP++) |
| Ethernet | 2x Realtek RTL-8125BI PCIe 2.5GbE LAN ports |
| I/O Chipset | Fintek F81804U-I |
| Serial Port | 2x RS232/422/485 |
| USB 2.0 | 2x USB 2.0 via pin header |
| USB 3.X | 4x USB 3.1 Gen2 (10Gbps) |
| Serial ATA | 1x SATA 3.0 |
| Audio | N/A |
| TPM | TPM (2.0) |
| Others | Digital I/O (4-in/4-out) |
| Dimensions (L x W) | 100mm x 72mm (3.94" x 2.84") |
| Power Consumption | TBD |
| Operating Temperature | -40°C~+70°C ( -40°F~+158°F) |

| | |
|---|---|
| Storage Temperature | -40°C~+80°C (-4°F~+176°F) |
| Relative Humidity | 95% (non-condensing @60°C) |

Remarks: 1. Specifications are subject to change without prior notice. 2. ODM/OEM is available. 3. For user's manual & datasheet download, visit www.ibase.com.tw.

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