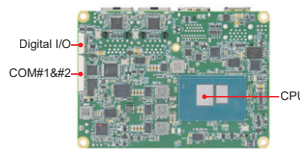


Features

- 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
- **Wide-range operating temperature from -40°C to +70°C**



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 3.2
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	Intel® Atom x7835RE 3.6GHz w/ 1x16GB DDR5 5600 SODIMM Transcend TS2GSA64V6E-I + 12V:3.22A
Operating Temperature	-40°C~+70°C (-40°F~+158°F)

Storage Temperature	-40°C~+70°C (-4°F~+158°F)
Relative Humidity	95% (non-condensing @60°C)

Ordering Information

PI800F-7835RE	Intel® Atom® x7835RE SoC onboard PICO-ITX board, w/ dual 2.5Gb, HDMI + DP, 2x COM, 2x M.2, dTPM, single +12V DC-in
PI800F-7433	Intel® Atom® x7433RE SoC onboard PICO-ITX board, w/ dual 2.5Gb, HDMI + DP, 2x COM, 2x M.2, dTPM, single +12V DC-in
HSP1800-A	Heatsink with fan for PI800

Dimensions and Drawings

