

SBC-7810

Non-standard

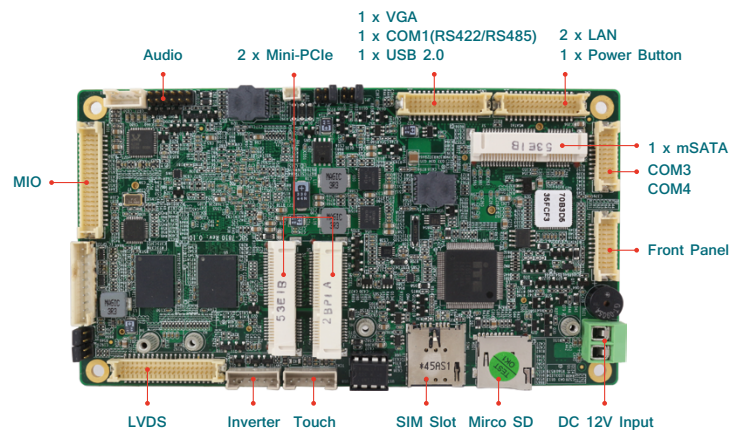
Specific SBC, Onboard Intel Atom E3845 (1.91GHz) Processor, Onboard 4GB DDR3L, LVDS

Features

- Onboard Intel Atom E3845 (1.91GHz) processor (Bay Trail)
- Onboard 4GB DDR3L
- 1 x 18/24-bit Dual Channel LVDS
- Support 2 x LAN ports with Intel 82574L Controller
- Integrated EC controller

Packing List

- 1 x SBC-7810 SBC
- 1 x ML1220 Battery



Specifications

System

Form Factor	Specific SBC
Processor	Intel Atom E3845 Processor (2M Cache, 1.91GHz)
System Chipset	SoC
System Memory	Onboard 4GB DDR3L 1333MHz
BIOS	AMI/UEFI BIOS

Display

Controller	Intel HD Graphics Series
VGA Interface	CN1 DF13A 30-Pin
TTL/LVDS Interface	1 x 18/24-bit dual channel LVDS
Resolution	Up to 1920 x 1200 for VGA Up to 1920 x 1200 for LVDS

Mechanical & Environment

Board Size (L x M)	146 mm x 75 mm
Gross Weight	0.5 kg
Operating Temperature	-20°C~70°C (-4°F~158°F)
Storage Temperature	-40°C~85°C (-40°F~185°F)
Humidity	10%~90%, non-condensing, operating
Certificate	Meet RoHS 2.0/CE/FCC Class A

Expansion

Expansion	1 x mini PCIe slot (full-size) 1 x mini PCIe slot (half-size)
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Power Management

Power Input	DC 12V input
Power Connector	1 x 2-Pin power input connector

Ordering Information

SBC-7810	Intel Atom E3845, SoC, 4GB DDR3L, 4COM, LVDS, SBC-7810
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I/O

Super I/O	Fintek F81216AD
Ethernet	2 x GbE ports by CN2 (DF-13A 30-Pin) with Intel 82574L Controller
USB	1 x USB 2.0 (USB1) via CN1 DF13 30-Pin 1 x USB 3.0 (USB3) via CN1 DF13 30-Pin 1 x USB 2.0 (USB2) via CN3 DF12 40-Pin
Serial	1 x RS-232/422/485 (COM1, Non-isolate) pin 9 with 5V/12V/ Ring select by CN1 DF13 30-Pin 2 x UART(COM3/COM4) by CN4 DF13 20-Pin
GPIO	8 x GPIO by MIO1 DF13 40-Pin
Storage	1 x mSATA 1 x Micro SD Card slot
Audio	1 x 2W speaker (2.0mm Pitch 1 x 4 wafer pin header) 1 x Line out / MIC by 2 x 6-Pin Header 2.0mm Pitch
OSD Keypad	1 x 5 Key (Power, Brightness up, Brightness down, Volume up, Volume down) by 1 x 10 2.0mm wafer
SIM Slot	Onboard SIM Card Slot
Battery	1 x 2-Pin header support CR2477 (1000mAH)

Dimension

