

SBC-7110

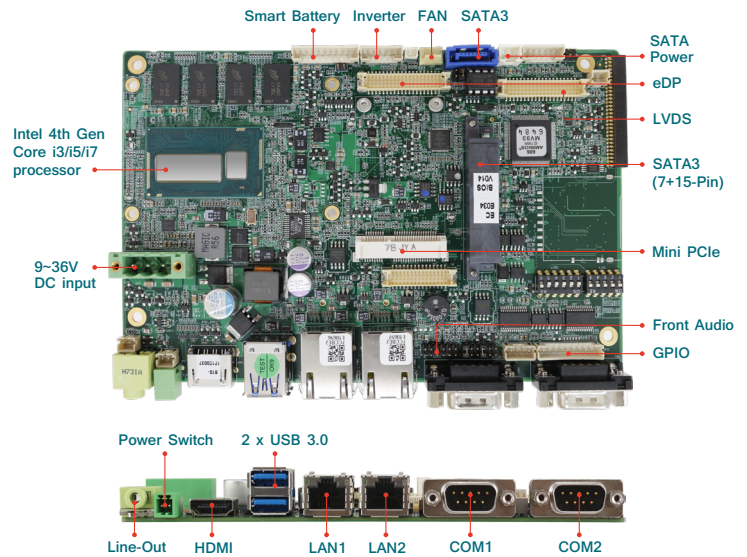
4" EPIC, 4th Gen Intel Core i3/i5/i7 Processor, Onboard 4GB/8GB DDR3L, LVDS/HDMI/eDP

Features

- Intel 4th Gen Core i3/i5/i7 Processors
- Onboard 4GB/8GB DDR3L 1600MHz
- 1 x 18/24-bit Dual Channel LVDS
- Wide Operating Temperature, Support -20°C~70°C
- Wide Range DC 9~36V Input
- Support Smart Battery

Packing List

- 1 x SBC-7110 4" SBC
- 1 x Driver CD
- 1 x CR2477 Battery
- 1 x SATA 7+15-Pin to SATA 7-Pin/SATA Power 2-Pin Cable (L=18cm)



Specifications

System

Form Factor	4" EPIC
Processor	4th Generation Intel Core i7-4650U Processor (4M Cache, 1.70 GHz) Intel Core i5-4300U Processor (3M Cache, 1.90 GHz) Intel Core i3-4010U Processor (3M Cache, 1.70 GHz)
System Chipset	SoC
System Memory	Onboard 4GB / 8GB DDR3L 1600MHz
BIOS	AMI/UEFI BIOS

Display

Controller	Intel HD Graphics Series
eDP Interface	2 x 20-Pin header
LVDS Interface	1 x 18/24-bit dual channel LVDS
HDMI Interface	1 x HDMI
Resolution	Up to 1920 x 1200 for EDP Up to 1920 x 1200 for HDMI Up to 1920 x 1200 for LVDS
Multi Display	HDMI + LVDS HDMI + eDP LVDS + eDP HDMI + LVDS + eDP

Mechanical & Environment

Board Size (L x M)	170 mm x 113 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)
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Power Management

Power Input	Wide range DC 9~36V input
Power Connector	1 x 3-Pin power input connector

Ordering Information

SBC-7110	4" EPIC, Intel 4th Gen. Core i7/i5/i3 Processor SoC, onboard 4GB DDR3L, 18/24-bit dual channel LVDS
TB-528 Series	I/O Board for SBC-7110

I/O

Super I/O	Fintek F81216AD / ITE IT8518E
Ethernet	2 x GbE ports by RJ-45 with Intel 82574L Controller
USB	2 x USB 3.0 external stack ports 1 x USB 2.0 Pin header via CN1 1 x USB 2.0 Pin header via CN2 2 x USB 2.0 Pin header via CN3 1 x USB 2.0 for mini PCIe
Serial	1 x RS-232/RS422/RS485 (COM1), DB-9 Connector on I/O, pin 9 with 5V/12V Ring select 1 x RS-232(COM2), DB-9 Connector on I/O, pin 9 with 5V/12V Ring select 2 x UART(COM3, COM4) via CN3 (expansion connect) 2 x RS-422/485-Pin header(COM5, COM6) via CN2
GPIO	8-bit digital I/O by header (4 x DI, 4 x DO) 4-bit digital I/O by header (2 x DI, 2 x DO)
Storage	1 x SATA3 connector, 7-Pin 1 x SATA3 connector, 7+15-Pin
Audio	1 x Stack Audio Jack, Realtek ALC662, Line-out 2 x 6-Pin header Line-in, Line-out, MIC
KB/Mouse	1 x PS/2 KB/MS via CN3
Battery	1 x 2-Pin header support CR2477 (1000mAh)
Smart Battery	1 x Smart battery, Support 3 Serial Li battery by 10-Pin header (BAT2)
Watchdog Timer	Watchdog timeout can be programmable by software support 1~255 sec

Dimension

