

SBC-7111

EPIC

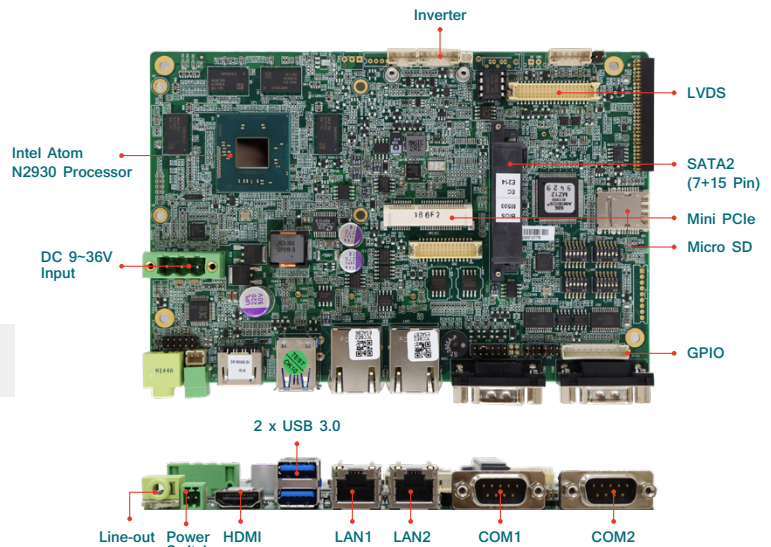
4" EPIC, Onboard Intel Atom E3845 (1.91GHz) / Celeron N2930 (1.83GHz) / Celeron N2807 (1.58GHz) Processor, Onboard 4GB/8GB DDR3L, VGA/HDMI/LVDS

Features

- Intel Atom E3845 (1.91GHz) / Celeron N2930(1.83GHz) /Celeron N2807(1.58GHz) Processor
- Onboard DDR3L 4GB/8GB 1333MHz
- 1 x 18/24-bit Dual Channel LVDS
- Wide Operating Temperature, Support -20°C~70°C
- Wide Range DC 9~36V Input

Packing List

- 1 x SBC-7111 4" SBC
- 1 x CR2477 Battery



Specifications

System

Form Factor	4" EPIC
Processor	Onboard Intel Atom E3845 Processor (2M Cache, 1.91GHz) (optional) Onboard Intel Celeron N2930 Processor (2M Cache, 1.83GHz) (default) Onboard Intel Celeron N2807 Processor (2M Cache, 1.58GHz) (optional)
System Chipset	SoC
System Memory	Onboard 4GB/8GB DDR3L 1333MHz
BIOS	AMI/UEFI BIOS
RTC	Real-time clock

Display

Controller	Intel HD Graphics Series
VGA Interface	2 x 6-Pin header
LVDS Interface	1 x 18/24-bit dual channel LVDS
HDMI Interface	1 x HDMI
Resolution	Up to 1920 x 1200 for VGA Up to 1920 x 1200 for HDMI Up to 1920 x 1200 for LVDS

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
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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-7111	4" EPIC, Intel Atom E3845 / Celeron N2930 / Celeron N2807 Processors SoC, onboard 4G/8G DDR3L, 18/24-bit dual channel LVDS, SBC-7111
TB-528 Series	I/O Board for SBC-7111

I/O

Super I/O	ITE IT8518E Fintek F81216AD
Ethernet	2 x GbE ports(RJ45) with Intel I210 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) 1 x RS-422/485 pin header (COM5, COM6) via CN2
GPIO	8-bit digital I/O by header (4 x DI, 4 x DO)
Storage	1 x SATA2 connectors, 7-Pin (optional) 1 x SATA2 connectors, 7+15-Pin 1 x Micro SD Slot
Audio	1 x Stack Audio Jack, Realtek ALC888S, Line-out 2 x 6-Pin header Line-in, Line-out, MIC
Smart Battery	Support 3 Serial Li battery by 10-Pin header (BAT2)
Battery	1 x 2-Pin header support CR2477 (1000mAH)
Watchdog Timer	Watchdog timeout can be programmable by software support 1~255 sec

Dimension

