

SBC-7115

ECX

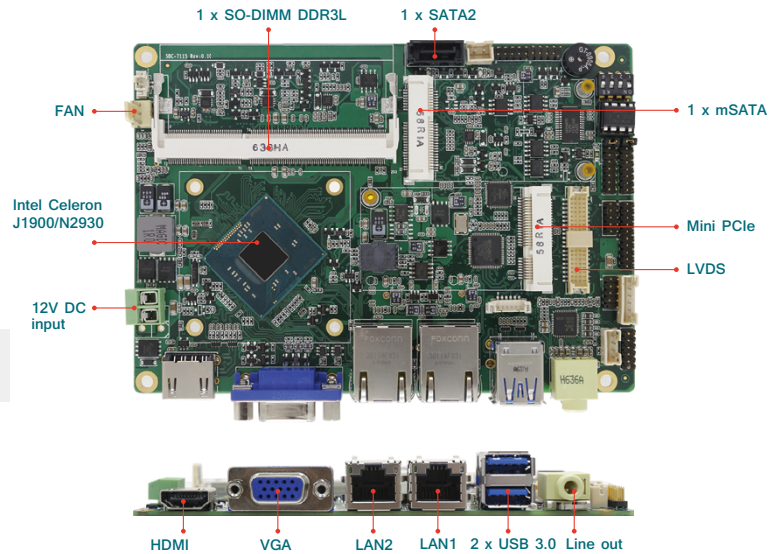
3.5" ECX, Onboard Intel Celeron J1900(2.00GHz)/N2930 (1.83GHz) Processor, DDR3L SO-DIMM 1333MHz, VGA/HDMI/LVDS

Features

- Intel Celeron J1900(2.0GHz) / N2930(1.83GHz) processor (On Top-Side)
- 1 x DDR3L 204-Pin SO-DIMM 1333MHz FSB
- 1 x 18/24-bit Dual Channel LVDS
- HDMI Interface Output
- DC 12V Input Only

Packing List

- 1 x SBC-7115 3.5" SBC
- 1 x CR2477 Battery



Specifications

System

Form Factor	3.5" ECX
Processor	Onboard Intel Celeron J1900 Processor (2M Cache, 2.00 GHz)
	Onboard Intel Celeron N2930 Processor (2M Cache, 1.83 GHz)
	On Top-Side
System Chipset	SoC
System Memory	1 x 204-Pin SO-DIMM up to 8GB DDR3L 1333MHz
BIOS	AMI/UEFI BIOS

Display

Controller	Intel HD Graphics 313/854MHz (N2930) Intel HD Graphics 688/854MHz (J1900)
VGA Interface	1 x VGA
TTL/LVDS Interface	1 x 18/24-bit dual channel LVDS for LVDS1
HDMI Interface	1 x HDMI
Resolution	Up to 1920 x 1200 for LVDS
	Up to 1920 x 1200 for HDMI
	Up to 1920 x 1200 for CRT

Mechanical & Environment

Board Size (L x M)	146 mm x102 mm
Gross Weight	0.4 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	DC 12V input
Power Connector	1 x 2-Pin power input connector

Ordering Information

SBC-7115-J1900	3.5" SBC, Intel Celeron J1900 On Top-Side SO-DIMM, 18/24 bit LVDS, VGA, HDMI, 2GbE LAN, USB, COM, SATA, mSATA, mini PCIe
SBC-7115-N2930	3.5" SBC, Intel Celeron N2930 On Top-Side SO-DIMM, 18/24 bit LVDS, VGA, HDMI, 2GbE LAN, USB, COM, SATA, mSATA, mini PCIe

I/O

Super I/O	Nuvoton NCT6106D
Ethernet	2 x GbE ports by RJ-45 with intel 82583V controller
USB	2 x USB 3.0 external stack ports
	4 x USB 2.0, 2 x 5-Pin header
	1 x USB 2.0 for mini PCIe
Serial	2 x RS-232, 2 x 5-Pin header, Pin 9 with 5V/12V/RI (COM1/2)
	1 x RS-232, 2 x 5-Pin header, Pin 9 with RI (COM3)
	2 x RS-422/485, 2 x 5-Pin header, Pin 9 with RI (COM4/5)
GPIO	8-bit digital I/O for GPIO1 (4 x DI, 4 x DO)
Storage	1 x SATA2 connector 1 x mSATA
Audio	Support Audio via Realtek ALC269Q HD Audio codec
	1 x Line-out by JACK for External I/O
	1 x Audio Header by 2 x 6-Pin Header (1 x Line-out, 1 x Line-in, 1 x MIC-in 1 x OUT-JD 1 x IN-JD) 1 x Speaker out (SPK L+/SPK L-, SPK R+/SPK R-)
SIM Card Holder	1 x 6-Pin Wafer
Battery	1 x 2-Pin header support CR2477 by BAT1(1000mAH)
Watchdog Timer	Watchdog timeout can be programmable by software support 1~255 sec

Dimension

