Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

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SolidRun
Do Your Thing

NXP-Freescale i.MX6

CuBox-i Base

Carrier Board for iMX6 SoM (System-On-Module)

Simple. Robust. Computing Solutions

SolidRun Ltd.
3 Dolev st., 3rd floor, P.O. Box 75
Migdal Tefen 2495900, Israel.
www.solid-run.com

Overview

At only 2”×2”×2” the CuBox-i is the tiniest computer in the world. Its elegant enclosure makes it ideal for mini-computing solutions, while its size is perfect for integrated solutions. Take advantage of the wide variety of features, interfaces and processor options, including onboard real-time clock, in selecting the solution that’s just right for you.

CuBox-i Carrier Base Highlighted Features:

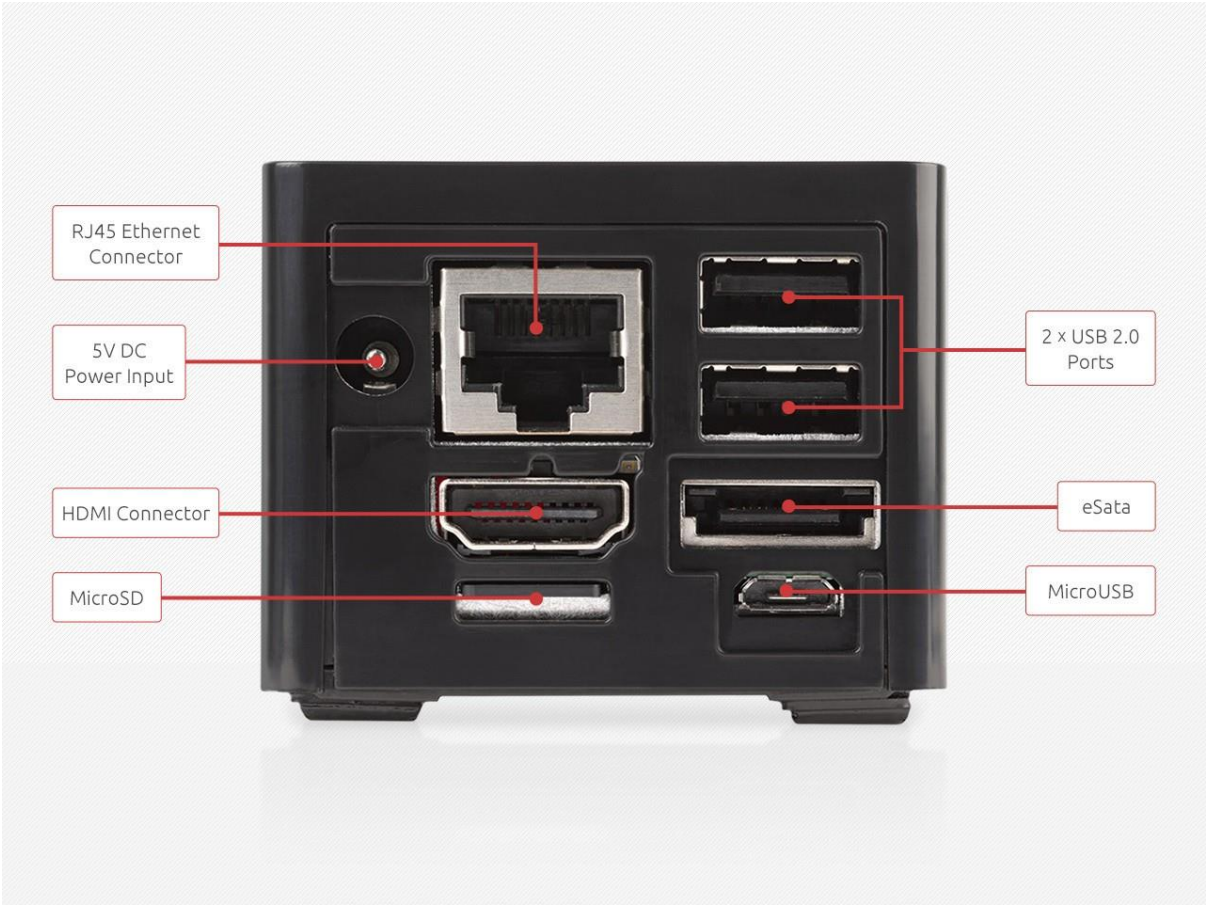
- Based on NXP’s iMX6 Single to Quad Core
- Up to 4GB DDR3
- Small size 2”×2”×2”
- Fanless, Robust and Industrial Design

System Specifications

System on Chip	CuBox-i Base
HDMI 1080p with CEC	✓
USB 2.0	2
PWM LED	✓
Ethernet	✓
5V DC Jack	✓
eSATA II	Depends on MicroSOM model
MicroUSB for development	×
Micro SD interface	✓
RTC with backup battery	×
Optical SPDIF audio out	✓
Infra-Red Remote Control Receiver	✓
Infra-Red Transmit (Remote Control)	×
Tiny GPIO Button	✓
Passive Thermal Management	✓
High Polish Plastic Enclosure	✓
WiFi and BlueTooth Antenna	Depends on MicroSOM model
Power Management	✓

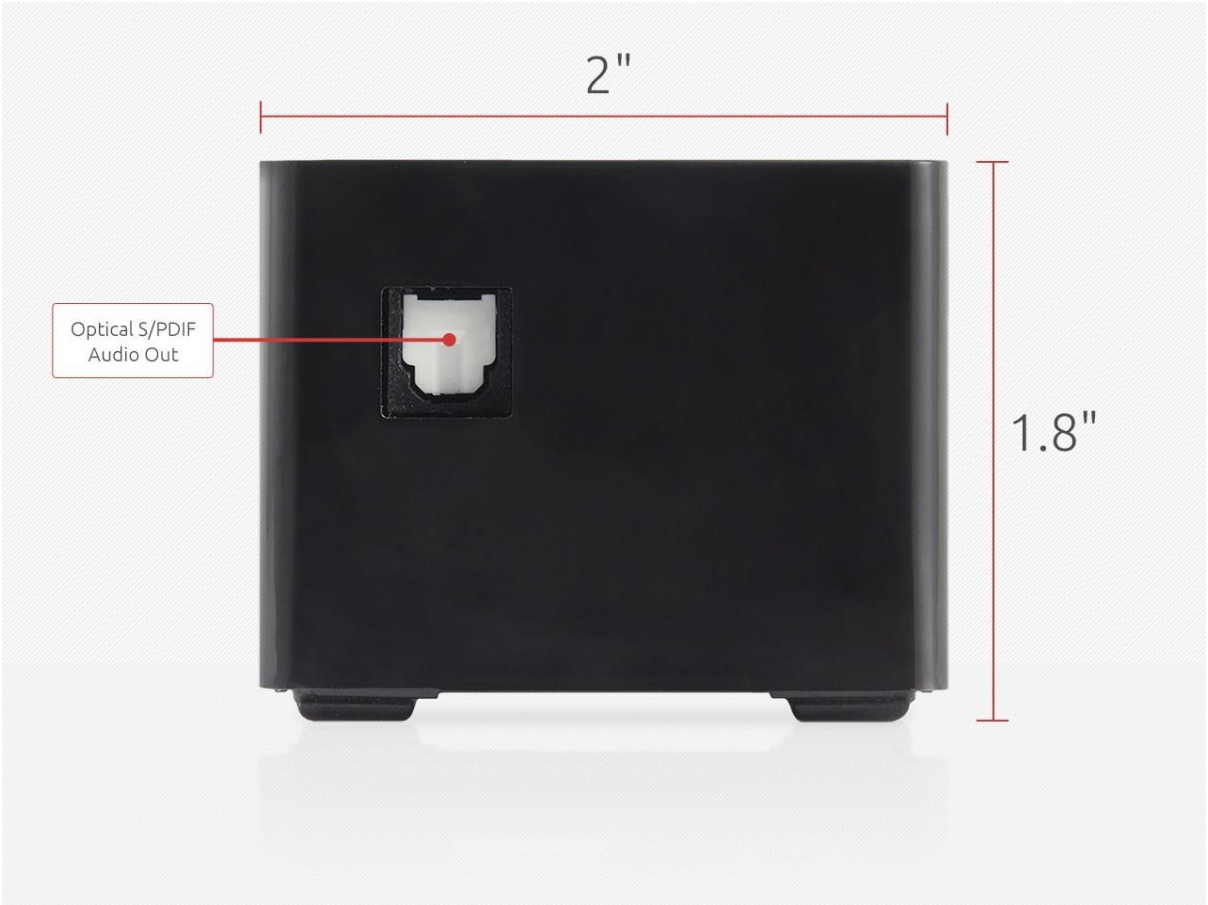
Interfaces

Back View

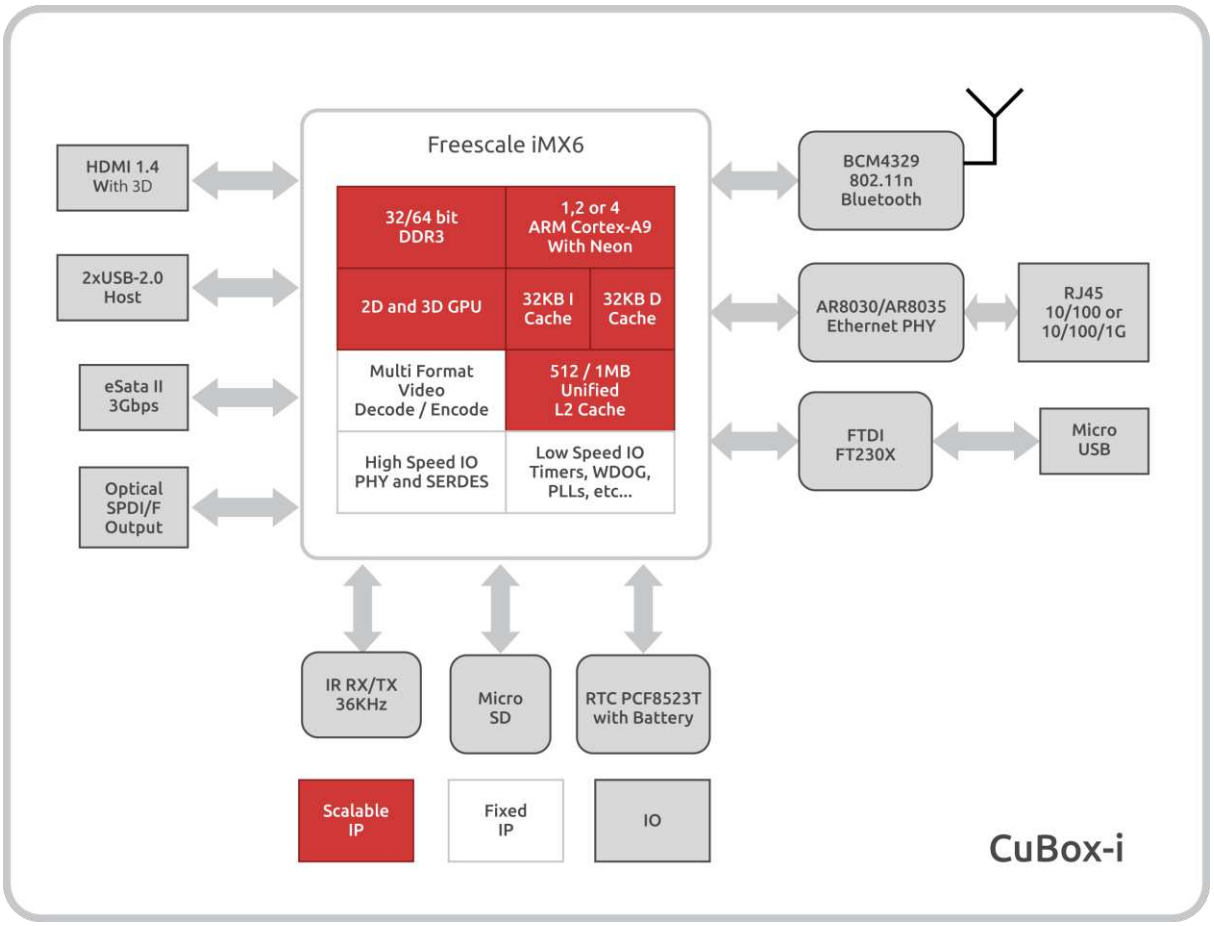


Interfaces

Side View



Block Diagram



Ordering Information

SKU Format
cuxxz-b-yyy-cc

Legend

	Meaning	Options	Description
cu	Product Family	none	Fixed parameter- CuBox Family
xx	MicroSoM Type	01	CuBox i1
		02	CuBox i2
		03	CuBox i2eX
		04	CuBox i4P Base
		05	CuBox i4x4 Base
z	WiFi	none	No WiFi/BT
		w	Include WiFi/BT
b	Carrier Type	b	CuBox Carrier Base
yyy	Power Adapter	000	No power adapter
		110	US/Japan power adapter
		220	EU power adapter
cc	SD Card	00	No 8GB SD Card
		08	Include 8GB SD Card

Example #1: cu02w-b-220-08
Description: CuBox i2 (CuBox Carrier Base + MicroSoM i2) + 220V power adapter + 8GB SD Card + WiFi/BT.

Example #2: cu01-b-110-00
Description: CuBox i1 (CuBox Carrier Base + MicroSoM i1) + 110V power adapter.

Safety notice

a. This device is to be used with Certified Power adaptor with output rated 5VDC, 3A. Power adapter must meet Limited power source (LPS) requirements.
b. Power adapter must meet local safety standards and requirements based on product intended use.
c. Power adapter must meet Operating environment conditions as specified above.

Disposal

Follow local regulations regarding disposal of the product. Dispose of your product in accordance with local regulations. In some areas, the disposal of these items in household or business trash may be prohibited.

Help us protect the environment- recycle!

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