

# NXP-Freescale i.MX6 **CuBox-i Pro** Carrier Board for iMX6 SoM (System-On-Module)



# Simple. Robust. Computing Solutions

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#### 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 Pro 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 Pro		
HDMI 1080p with CEC	$\checkmark$		
USB 2.0	2		
PWM LED	$\checkmark$		
Ethernet	$\checkmark$		
5V DC Jack	$\checkmark$		
eSATA II	Depends on MicroSOM model		
MicroUSB for development	$\checkmark$		
Micro SD interface	$\checkmark$		
RTC with backup battery	$\checkmark$		
Optical SPDIF audio out	$\checkmark$		
Infra-Red Remote Control Receiver	$\checkmark$		
Infra-Red Transmit (Remote Control)	$\checkmark$		
Tiny GPIO Button	$\checkmark$		
Passive Thermal Management	$\checkmark$		
High Polish Plastic Enclosure	$\checkmark$		
WiFi and BlueToothAntenna	Depends on MicroSOM model		
Power Management	$\checkmark$		



# Interfaces

**Back View** 





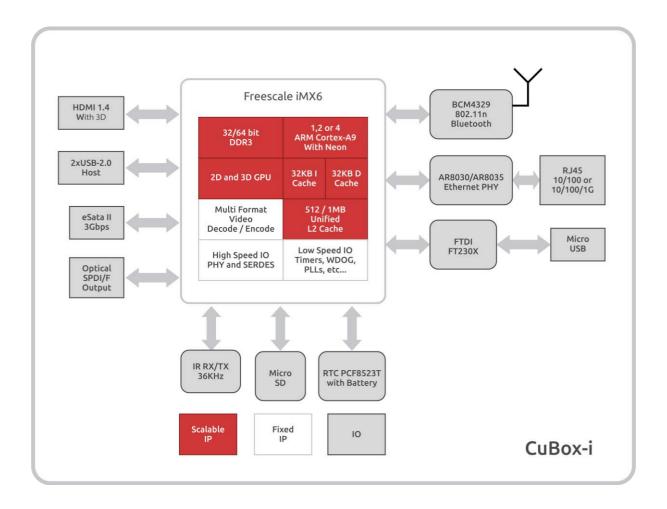
# Interfaces

Side View





# **Block Diagram**





# Ordering Information

SKU Format

cuxxz-p-yyy-cc

### Legend

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

Example #1: cu04w-p-220-08

Description: CuBox i4P (CuBox Carrier Pro + MicroSoM i4P) + 220V power adapter + 8GB SD Card + WiFi/BT.

**Example #2:** cu01-p-110-00 Description: CuBox i1 (CuBox Carrier Pro + 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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