Cubox-i Hardware

imx6, cubox-i, carrierboard, base, professional

CuBox-i Carrierboards

The Cubox-i Series is available with two different carrierboards:

Description/Model	Cubox-i Carrierboard Base	Cubox-i Carrierboard Professional
Compatible MicroSoms	All IMX6 MicroSom Models	All IMX6 MicroSom Models
HDMI 1080p	1.4, 3D and CEC support	1.4, 3D and CEC support
Ethernet	10/100/1000 Mbps[1]	10/100/1000 Mbps[1]
Micro SD Interface	✓	✓
Micro USB to RS-232	✗	✓
eSata II 3Gbps[2]	✗	✓
RTC With Backup Battery	✗	✓
InfraRed for Remote Control	38KHz Receiver	38KHz Receiver & Transmitter
WiFi 11b/g/n/BlueTooth 2.1	optional	optional

Notes:
[1] 1000Mbps link is limited to 470Mbps actual bandwidth due to internal chip bus limitation
[2] With command based switching port multiplier support

CuBox-i Schematics

CuBox-i internally has 3 boards -

- The main board (or called MicroSOM which stands for micro System On Module) is the heart of the CuBox-i and includes the processor, memory, power management, Ethernet phy and 11n WiFi/BlueTooth chipset.
- CuBox-i Lower - This is the biggest board in CuBox-i and connects on it's bottom side to the microSOM through two 80 pin 0.4mm pitch board to board connectors and upper (smaller) board via 50 mil 2×10 header and 2×2 100mil header
- CuBox-i Upper - This is the smallest board in CuBox-i

Additional schematics can be downloaded from the IMX6 Cubox-i documents page.

Schematics of the MicroSom can be found at the IMX6 MicroSom page.