Gumstix Colibri iMX6 Development Kit
Product datasheet

Product Features

<table>
<thead>
<tr>
<th>Camera</th>
<th>24-pin connector</th>
<th>24-pin connector for camera flex cable connection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input/output</td>
<td>4-Pin Header</td>
<td>2x2, 0.1” Male Pin Header.</td>
</tr>
<tr>
<td></td>
<td>6-Pin Header</td>
<td>2x3, 0.1” Male Pin Header.</td>
</tr>
<tr>
<td>General</td>
<td>Access Point Mode</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>LCD Manufacturer</td>
<td>Compatible with Newhaven Displays</td>
</tr>
<tr>
<td></td>
<td>Manufacturer</td>
<td>Texas Instruments</td>
</tr>
<tr>
<td>Communications</td>
<td>Bluetooth</td>
<td>4.1+BLE</td>
</tr>
<tr>
<td></td>
<td>WiFi</td>
<td>802.11b/g/n</td>
</tr>
<tr>
<td>Misc</td>
<td>Compatibility</td>
<td>Geppetto-built SBCs and expansion boards only</td>
</tr>
<tr>
<td>Display</td>
<td>LCD</td>
<td>LCD Capable</td>
</tr>
<tr>
<td></td>
<td>LCD Size</td>
<td>4.3 inch</td>
</tr>
<tr>
<td></td>
<td>LCD Touchscreen</td>
<td>Resistive touch screen</td>
</tr>
<tr>
<td>Power</td>
<td>RTC Battery Holder</td>
<td>Holder for 6mm rechargeable coin cell RTC battery</td>
</tr>
<tr>
<td>Storage</td>
<td>Storage Expansion</td>
<td>via microSD Card Slot</td>
</tr>
<tr>
<td>Usb</td>
<td>USB Device</td>
<td>Micro B USB Plug</td>
</tr>
</tbody>
</table>

KIT340

GUMSTIX COLIBRI IMX6 DEVELOPMENT KIT

USD199.00

This bundle includes:

- The Gumstix Colibri i.MX6 Dev Board
- 1x Newhaven 4.3” display with resistive touch
- 1x USB micro-B to A cable
- 1x 5V power adapter
- 1x Pre-configured microSD card with Yocto Linux

THE GUMSTIX COLIBRI (IMX6) DEVELOPMENT BOARD.

This SBC-like expansion board breaks out many features of the Colibri i.MX6 so you can test and develop your project with ease.

CONNECTORS

The Gumstix Colibri i.MX6 Dev Board provides the following headers:

- I2C header
- SPI header
- 20-pin GPIO breakout header

It also includes:

- HDMI
- 4.3” resistive touch screen connector
- ethernet
- USB Host
- USB OTG
- audio in/out ports
- bootable USB card
- real-time clock
- GPIO inputs and outputs.

CUSTOMIZE YOUR BOARD

You can modify the design, layout and features of the Gumstix Colibri i.MX6 Dev Board to fit your project’s requirements with ease in an intuitive drag-and-drop interface.

CUSTOMIZE YOUR KERNEL

To get started customizing the Yocto image for this board or any Geppetto-created expansion board based on the Toradex Colibri i.MX6 platform, please review the Toradex webinar on building images for embedded Linux.

Updated sources matching those created in the webinar are available <a href="http://gumstix-misc.s3.amazonaws.com/colibri/source.tar.gz" target="_blank">here</a>.

- Clone and kickstart your customized Colibri i.MX6 expansion board
- Explore and create a customized expansion board from scratch
- Learn more about Geppetto

TORADEX COLIBRI I.MX6 COM NOT INCLUDED

Purchase from Toradex

**Other connector**

1 × 24-Pin Hirose Flex Connector (Verdex Pro COMs)
1 × Halo Electronics Low-Profile RJ-45 Connector
1 × Molex HDMI SMT Connector
2 × 3.5mm Stereo Audio Jacks

**Mating connector**

1 × U.FL Connector
1 × Hirose 40Pos FPC/FFC Connector

**What’s included**

1 × Newhaven 4.3-inch LCD with resistive touch
1 × USB Cable (micro-B to standard-A)
1 × Toradex Colibri Development Board
1 × 5V, 3.5A Power Adapter
1 × Colibri Development microSD

**Key component**

1 × U.FL Antenna with Collar
1 × microSD Card Slot
1 × Connector (Power Jack Medium)
1 × USB Standard A Jack
1 × Connector (Battery 6mm)
1 × IC (RTC 1.8V)
1 × FTDI FT232RQ USB UART Interface
1 × TI WiLink8 WL1831MOD
1 × Crystal (32.768kHz TINY)

**Product links**

- Customize in Geppetto
- Technical Specifications
- Disk Image
- Partner Website
- Geppetto®Workspace