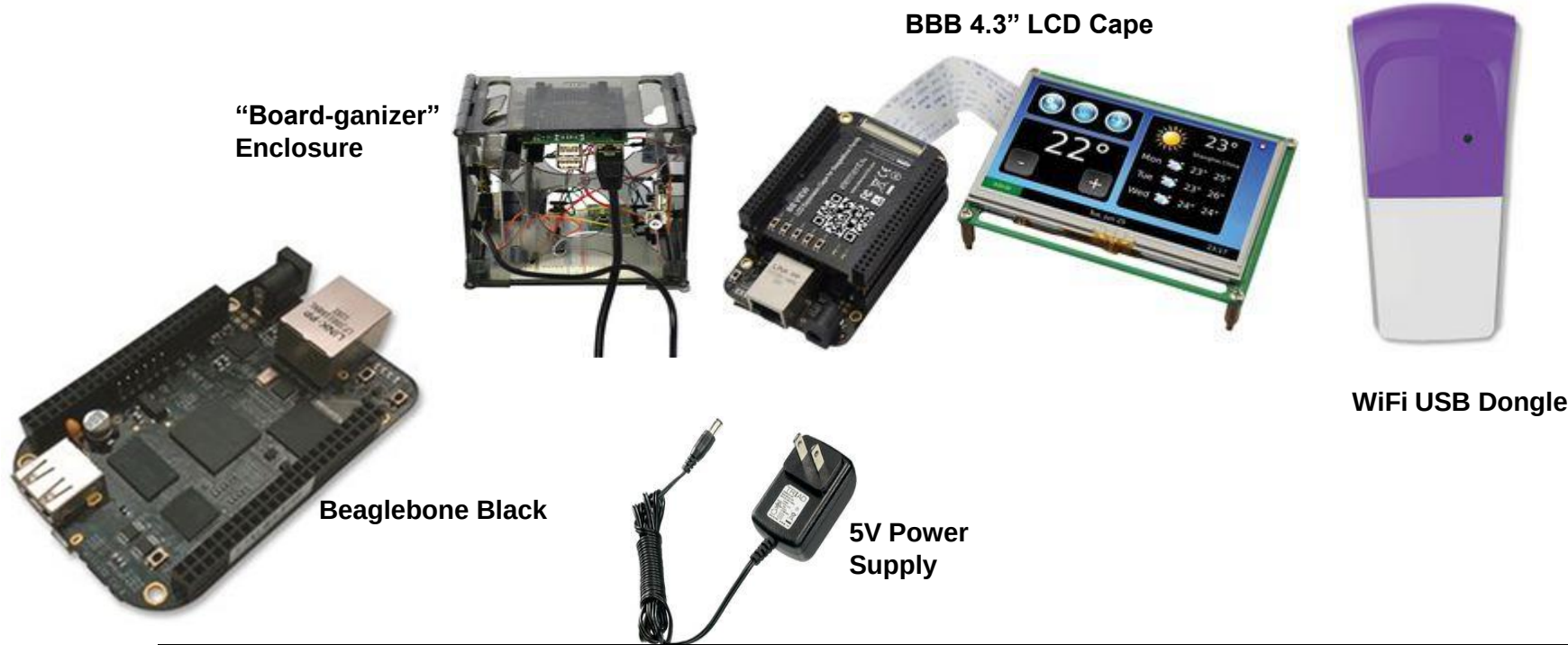


element14

Beaglebone Black Intermediate kit

element14

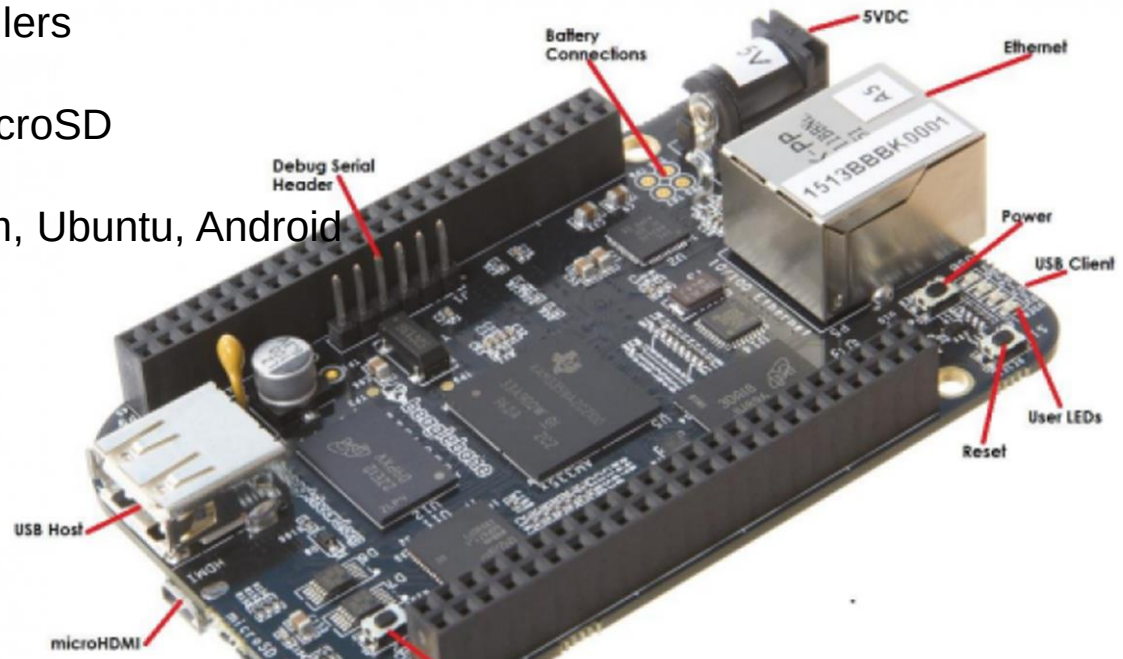


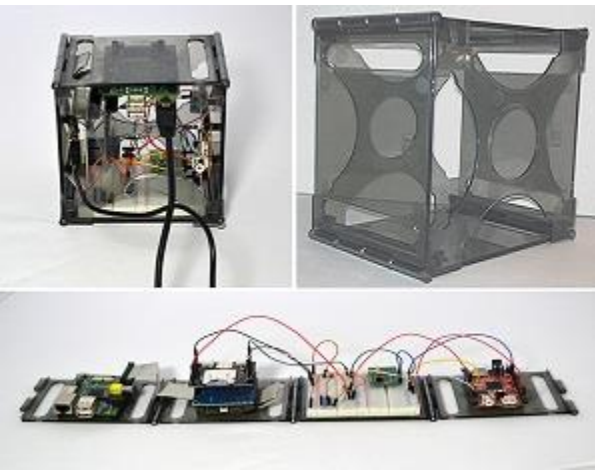
BBB intermediate kit	supplier	mpn	Kit Quantity
BeagleBone Black board	element14	BBONE-BLACK-4G	1
Enclosure	BUD IND	BG-32618	1
Power Supply	TRIAD Magnetics	WSU050-1500	1
4.3" BB View Display for BBB	element14	BB VIEW_43	1
WIFI board BBB riot Xplained	element14	WIFI_DONGLE	1

The **element14 BeagleBone Black** is a full featured, internet enabled development platform that utilizes the low cost Sitara™ AM3358 ARM® Cortex™-A8 processor from **Texas Instruments** and runs a variety of OS including Debian, Angstrom, Ubuntu and Android. The **element14 BeagleBone Black** is designed to address the needs of designers, early adopters, and anyone in the Open Source Community interested in a low cost ARM® Cortex™-A8 based processor.

Features

- Processor: TI Sitara AM3358AZCZ100, 1GHz, 2000 MIPS
- 4GB 8-bit eMMC on-board flash storage (rev. C)
- SDRAM: 512MB DDR3L 800MHZ
- 3D graphics accelerator
- NEON floating-point accelerator
- 2x PRU 32-bit microcontrollers
- USB host, Ethernet, HDMI
- SD/MMC Connector for microSD
- 2x 46 pin headers
- Software: Debian, Angstrom, Ubuntu, Android





BUD Board-ganizer multi-development board enclosure kit

The board-ganizer is a unique work space organizing platform designed to serve the rapidly growing community of electronics makers and developers. The innovative enclosure lets the user combine and mix boards with no need for additional hardware. The boards are attached using specially developed adhesive backed rubber feet



WiFi Dongle

The WIFI_Dongle is a high performance and cost effective WLAN USB module which connects your development platform to a wireless local area network. It has greater bandwidth making data transmission more efficient, whilst also supporting wireless roaming, ensuring a consistent wireless connection. WIFI_Dongle uses the latest channel detection technology, enhancing wireless performance.



Power Supply

TRIAD MAGNETICS WSU050-1500
5V External Switchmode Power supply

Expansion Board for BeagleBone family with 4.3 inch LCD

element14

The BB-View is a portable LCD solution with touchscreen capability for BeagleBone boards, a credit-card-sized expandable Linux computer to evaluate the TI's Sitara™ AM335x ARM® Cortex™-A8 processors.

The BB-View has been designed with convenience in mind and extends the I/O interfaces of the BeagleBone & BeagleBone Black (sold separately) allowing users to utilise a touchscreen LCD display without sacrificing I/O interface access. BB-View fits on top of the BeagleBone or BeagleBone Black and still has full access to all the GPIOs via two 46-pin connectors. It's equipped with five switches (four for GPIOs & one for Boot) and two user defined LEDs.

The BB-View is supplied with an 18-bit TFT LCD module in size 4.3" which can display up to a resolution of 480x272 which have a 4-wire resistive touchscreen interface.

The BB-View draws power directly from the board (BeagleBone or BeagleBone Black) eliminating the need for any kind of external power supply. The BB-View is supplied with a pre-compiled BSP image with various Linux QT based demos to help setup your BeagleBone boards quickly and easily.

Note: In order to power LCD module directly from BeagleBone or BeagleBone Black please power the BeagleBone or BeagleBone Black using DC power adapter instead of USB power

