Product Name	BeaglePlay
Original Design	Beagleboard.org®
Manufacturer	Seeed Studio
Manufacturer Part Number	102110762
Working Temperature	0℃ ~ 70℃
Certification	CE, FCC, RoHS, UKCA, REACH
ECCN	EAR99
HSCODE	8471504090
US HSCODE	8471410150

BeaglePlay is an open-source single board computer designed to simplify the process of adding sensors, actuators, indicators, human interfaces, and connectivity to a reliable embedded system. It features a powerful 64-bit, quad-core processor and innovative connectivity options, including WiFi, Gigabit Ethernet, sub-GHz wireless, and single-pair Ethernet with power-over-data-line. With compatibility with 1,000s of off-the-shelf add-ons and a customized Debian Linux image, BeaglePlay makes expansion and customization easy. It also includes ribbon-cable connections for cameras and touch-screen displays, and a socket for a battery-backed real-time-clock, making it ideal for human-machine interface designs. With its competitive price and user-friendly design, BeaglePlay provides a positive development experience for users.

Easy. Affordable. Connected. Open.

Linux computing made simple and fun with 1,000s of available off-the-shelf sensors, actuators, indicators and connectivity options over mikroBUS, Grove, and QWIIC connections, a TI Sitara AM625 system-onchip with 1.4GHz quad-core Arm Cortex-A53, PRU and M4 microcontrollers, Gigabit Ethernet, full-size HDMI, USB, 5GHz, 2.4GHz and sub-1GHz wireless, and single-pair Ethernet with power-over-data-line. Camera and touchscreen display ribbon-cable connectors also included.

- Multicore A53s with R5, M4s and PRUs processor, TI AM6254
- WiFi/2.4G, MIMO/5G, SISO M2 1216 , TI WL1807 Wi-Fi module, U.FL x2
- TI BLE/SubG CC1352P7 M4+M0 with BeagleConnect firmware
- 2GB(1Gb x 16)-1600MHz 3200Mbps DDR
- Kingston 16GB eMMC
- Gigabit ethernet with RJ45 x1
- Single pair ethernet and power over with RJ11
- Power input with USB Type-C
- HDMI Type-A supports up to Full-HD/1080P with 24-bit RGB
- Support FPC 22pin CSI and FPC 40pin OLDI
- 1x MikroBus connector
- 1x USB Type-A
- 1x micro SD socket
- 1x QWIIC connector
- 1x Grove connector
- 1x RTC