



# Eagleye 530s

SKU 114991433

## Description

There are many IoT platform out there in the market, among which we have developed many product kit for them. This time we created a new development kit named Eagleye 530s, which is powered by the Samsung ARTIK™ IoT platform.

The Eagleye 530s is a high-performance, pre-tested, cost-effective and production-ready development kit incorporates the Samsung ARTIK™ 530s, a 1GB system-on-module (SoM) on a custom credit card size board. For more information about ARTIK™ 530s, please refer to here.

What is Samsung ARTIK™? Samsung ARTIK™ is a pre-integrated IoT platform consisting of enterprise-grade modules, cloud services, and end-to-end security for the design and development of robust IoT solutions. People always neglect the importance of security to products in the IoT world. With services like ARTIK Module, Cloud, Security and ecosystem Samsung aims to provide a platform that takes care of your total security.

As mentioned above, the Eagleye530s is based on the ARTIK 530s 1GB SoM, which is a Quad Core Cortex® A9 running @ 1.2 GHz with 4 B Flash memory, hardware-based security features, and Linux OS (Ubuntu). Eagleye 530s including 40 pin GPIO and accessory interface to provide support for Micro SD, Ethernet 10/100/1000, Wi-Fi 802.11 a/b/g/n, Bluetooth BLE 4.2 802.15.4, and ZigBee/Thread. It also supports full HDMI, MIPI camera interface, video, and audio media.

Since the Eagleye 530s is pin-compatible with many “maker” hardware accessories, it allows Samsung ARTIK™ developers to easily tap into the extensive “maker” accessories marketplace and prototype and build with off-the-shelf sensors (eg. GrovePi+,Grove sensors), voice recognition (eg. ReSpeaker 2-mic arrayandReSpeaker 4-mic array), relays, GPS, cellular connectivity, and more, further expands options for enterprise developers creating feature-rich proof-of-concepts (PoC) or production-ready products.

### Features

- Powered by the Samsung ARTIK™ IoT platform.
- Incorporates ARTIK 530s 1GB SoM, a Quad Core Cortex® A9 running @ 1.2 GHz.
- Includes 40 pin GPIO and accessory interface.
- Support for Micro SD, Ethernet 10/100/1000, Wi-Fi 802.11 a/b/g/n, Bluetooth BLE 4.2 802.15.4, and ZigBee/Thread.
- Supports full HDMI, MIPI camera interface, video, and audio media.

### Note

To boot the board, please plug in USB or DC Jack power(5V at least 2A), then push the power button and the LED indicator will be ON.

### Technical Details

Dimensions	87mm x 58.5mm x 20mm
Weight	G.W 50g
Battery	Exclude
<b>Processor</b>	
CPU	Quad core ARM Cortex A9@1.2GHz

GPU	3D graphics accelerator
<b>Memory</b>	
DRAM	1GB DDR3
Flash	4GB eMMC
<b>Radio</b>	
WLAN	IEEE802.11a/b/g/n Dual Band SISO(2.4G/5G)
Bluetooth	Bluetooth 4.2(BLE+Classic)
Zigbee/Thread	802.15.4
<b>Interface</b>	
1 x	Ethernet 1000Base-T MAC
2 x	USB 2.0 Type-A
1 x	POWER DC 5V
1 x	Headphone Jack
1 x	Full-Size HDMI Port

1 x	Micro USB OTG Type-B
1 x	Micro USB UART Type-B(Power Supply)
1 x	GPIO extend Port 2*20 pin (2.54mm)
1 x	MIPI CSI Port for Camera
1 x	SD card Port

*Part List*

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