

# Barebones Wireless Appliance Development Kit

## Product datasheet

KIT042

USD249.00

Barebones Wireless Appliance Development Kit

Get unfettered access to the Overo AirSTORM computer-on-module with the Barebones Network Appliance Development Kit. Featuring an Alcatraz breakout board offering access to 140 signals and onboard 802.11b/g, this barebones kit gives network appliance developers the tools they need to get started creating sophisticated and flexible appliances.

Kit includes:

- Alcatraz breakout board
- Overo AirSTORM-Y COM
- u.fl Antenna
- 5V USB power adapter and cable
- Mini-B to standard-A USB cable
- Ubuntu system microSD card

### Other connector

- 1 × USB Mini-B to Standard-A Cable
- 1 × Power Jack

### Mating connector

- 1 × U.FL Connector
- 1 × Hirose 27-Pin Camera Connector (Overo COMs)
- 2 × 70-Pin AVX Connector (Male Overo COMs)
- 2 × 70-Pin AVX Connectors (Female Overo Expansion)

### What's included

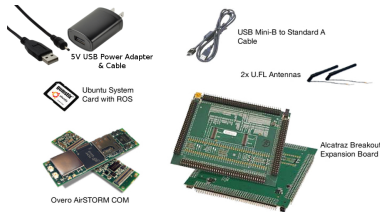
- 1 × Overo AirSTORM-P
- 1 × Alcatraz
- 1 × 5V US Power Adapter
- 1 × Overo System Card (Ubuntu 8GB)

### Key component

- 1 × U.FL Antenna with Collar
- 1 × microSD Card Slot
- 1 × Texas Instruments TPS65950 Power Management
- 1 × W2CBW0015 Wifi+Bluetooth Module
- 1 × Micron 512MB DDR LPDRAM & 512MB NAND Flash Memory
- 1 × Texas Instruments AM3703 Applications Processor
- 1 × Texas Instruments TPS62111 Step-Down Converter
- 1 × FTDI FT232RQ USB UART Interface

### Product links

- [Geppetto@Workspace](mailto:Geppetto@Workspace)



## Product Features

General	
<b>Access Point Mode</b>	Yes
<b>Manufacturer</b>	Texas Instruments
Communications	
<b>Bluetooth</b>	Bluetooth 4.1 +BLE
<b>USB Console Port</b>	Included
<b>WiFi</b>	802.11b/g/n
Inter-board connector	
<b>Board-To-Board Connector</b>	2 x 70-pin AVX connectors
Camera	
<b>Camera Connector</b>	27-Pin (OMAP ISP)
Mechanical	
<b>Length</b>	127.0mm
<b>Width</b>	101.6mm
Memory	
<b>Flash Memory (NAND)</b>	512
Processor	
<b>Performance</b>	Up to 2,000 Dhrystone MIPS
<b>Processor</b>	Texas Instruments Sitara AM3703
<b>Processor Architecture</b>	ARM Cortex-A8
<b>Processor Base Clock</b>	1 GHz (Recommended @ 800MHz)
<b>Processor Cores</b>	Single Core
<b>Processor Max Clock</b>	1 GHz
Misc	
<b>Power</b>	3.5V - 5V
Power	
<b>Power Management</b>	Texas Instruments TPS65950
Product series	
<b>Product Family</b>	Overo
Storage	
<b>Storage Expansion</b>	via microSD Card Slot
Usb	
<b>USB Device</b>	Included

