

# Handheld Development Kit (3.5")

## Product datasheet

KIT040

USD269.00

Handheld Development Kit (3.5")

Featuring a 3.5 LCD touch screen, audio in/out, a 3D accelerometer, push-buttons, LEDs and more, this Gumstix 3.5 Handheld Development Kit has all the hardware you need to get started with your own handheld application.

At the heart of the system is a WiFi/Bluetooth-enabled Overo AirSTORM-Y computer-on-module.

THIS KIT INCLUDES:

- Alto35 expansion board
- Overo AirSTORM-Y COM
- 3.5" touch TFT LCD display
- USB Cable (mini-B to standard-A)
- USB Cable (mini-B to mini-A)
- 5V USB power adapter with cable
- Yocto Linux system microSD card

### Other connector

- 1 × Power Jack
- 2 × 3.5mm Stereo Audio Jacks
- 1 × USB Mini-B to Standard-A Cable
- 1 × USB On-the-Go Cable (Mini-B to Mini-A)

### Mating connector

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

### What's included

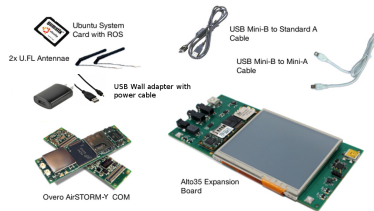
- 1 × Alto35 Expansion Board
- 1 × 3.5 inch In Touch TFT LCD with touch screen
- 1 × 5V US Power Adapter
- 1 × Overo System Card (Yocto 8GB)

### Key component

- 1 × RC Servo Connector
- 1 × Texas Instruments TPS62111 Step-Down Converter
- 1 × FTDI FT232RQ USB UART Interface
- 1 × ST LIS33DE 3-Axis Nano Accelerometer
- 1 × U.FL Antenna with Collar
- 1 × microSD Card Slot
- 1 × Texas Instruments TPS65950 Power Management
- 1 × Micron 512MB DDR LPDRAM & 512MB NAND Flash Memory
- 1 × Texas Instruments AM3703 Applications Processor

### Product links

- [2015-02-25/overo/master/MLO](#)
- [2015-02-25/overo/master/u-boot.img](#)
- [2015-02-25/overo/master/README](#)
- [2015-02-25/overo/master/gumstix-xfce-image-overo.tar.bz2](#)
- [2015-02-25/overo/master/gumstix-console-image-overo.ubi](#)
- [2015-02-25/overo/master/gumstix-xfce-image-overo.ubi](#)
- [Overo Flashing MLO](#)
- [Overo Flashing U-boot](#)
- [Geppetto@Workspace](#)



### Product Features

Robotics	
<b>Accelerometer</b>	3D Accelerometer
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>	58 mm
<b>Width</b>	17 mm
Memory	
<b>Flash Memory (NAND)</b>	512
<b>RAM</b>	512 MB LPDDR (PoP)
Display	
<b>LCD</b>	LCD Capable
<b>LCD Size</b>	3.5 inch
<b>LCD Touchscreen</b>	Resistive Touch Ready
General	
<b>LCD Manufacturer</b>	Compatible with InTouch Displays
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>	Powered via expansion board (Overo series or custom) connected to dual 70-pin connectors
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	