

# Pepper 43R Handheld Development Kit (4.3")

## Product datasheet



### Product Features

General	
<b>Access Point Mode</b>	Yes
<b>LCD Manufacturer</b>	Compatible with Newhaven Displays
Communications	
<b>Bluetooth</b>	4.1 + BLE
<b>Ethernet</b>	10/100/1000 Base-T
<b>USB Console Port</b>	FTDI USB-UART
<b>WiFi</b>	802.11b/g/n
Misc	
<b>Compatibility</b>	Geppetto-built SBCs and expansion boards only
Display	
<b>LCD</b>	LCD Capable
<b>LCD Size</b>	4.3 inch
<b>LCD Touchscreen</b>	Resistive touch screen
Storage	
<b>Storage Expansion</b>	via microSD Card Slot

KIT30004

USD279.00

This Gumstix 4.3-inch Handheld Development Kit has all the hardware you need to get started with your own handheld application. It features a 4.3-INCH LCD RESISTIVE TOUCH SCREEN, AUDIO IN/OUT, PUSH-BUTTONS AND MORE. At the heart of the system is a WiFi/Bluetooth-enabled Pepper 43R SBC running Yocto Project Linux or Android, providing handheld developers with the world's most popular mobile operating system.

#### FEATURES:

- Pepper 43R single board computer (SBC).
- TI WiLink 8 combo-connectivity module (Wi-Fi 802.11 b/g/n and Bluetooth 4.1 + BLE
- Newhaven 4.3" Resistive LCD touchscreen.

#### This kit includes:

- Pepper 43R SBC
- 4.3-inch Newhaven LCD resistive touch screen
- Yocto system image microSD card
- U.FL antenna
- Standard-A to micro-B USB cable
- Ethernet cable
- 5V, 3.5A US wall adapter

OPTIONAL: For users preferring not to use a wall adapter, this kit works with an external battery (not included). The battery must be between 5.5V - 36V and its cable should fit into a 2-cell JST XH balance connector. Examples here.

#### Other connector

2 × 3.5mm Stereo Audio Jacks

#### Mating connector

1 × U.FL Connector

1 × Hirose 40Pos FPC/FFC Connector

#### What's included

1 × ethernet cable 6 ft

1 × USB Cable (micro-B to standard-A)

1 × Newhaven 4.3-inch LCD with resistive touch

1 × Pepper 43R package

1 × Android microSD for Pepper 43R

1 × Lexar 8GB Class10

1 × Pepper System Card (Yocto 8GB)

#### Key component

1 × U.FL Antenna with Collar

1 × JST-XH Top 3Pos 2.5mm

1 × microSD Card Slot

2 × 8 Channel Bidirectional Level Shifter

1 × Texas Instruments TPS62111 Step-Down Converter

1 × PMIC for AM335x DDR3L

1 × FTDI FT232RQ USB UART Interface

1 × TI WiLink8 WL1831MOD

1 × DDR3L 512MB 16bit

1 × Sitara Processor 800MHz

1 × Stereo Audio Codec

#### Product links

- [Technical Specifications](#)





- [Disk Image](#)
- [Android Image](#)
- [Geppetto®Workspace](#)

