

Overo® EVM pack Product datasheet

KIT0033

USD422.00

OVERO® EVM PACK



Product Features

Input/output	
40-pin header	Not populated
General	
Access Point Mode	Yes
LCD Manufacturer	Newhaven Displays
Communications	
Bluetooth	Included
Ethernet	10/100 Base-T Ethernet
USB Console Port	Included
WiFi	Included
Camera	
Camera Connector	27-Pin (OMAP ISP)
Memory	
Flash Memory (NAND)	512
Processor	
Graphics Acceleration	OpenGL POWER SGX Graphics Accelerator
Digital Signal Processor	C64x Fixed Point DSP 660,800 Mhz (Max.)
Processor	Texas Instruments DaVinci DM3730
Processor Architecture	ARM Cortex-A8
Processor Base Clock	Up to 1 GHz (recommended @ 800MHz)
Temperature	Built with components rated 0<T <70C
Mechanical	
Layout	For OEM design, refer to the layout version shown here.
Display	
LCD	4.3" capacitive touch LCD
LCD Size	4.3 inch
LCD Touchscreen	Capacitive Touch Ready
Misc	
Power	3.5V - 5V
Power	
Power Management	Texas Instruments TPS65950
RTC Battery Holder	Holder for 6mm rechargeable coin cell RTC battery
Usb	
USB Device	Included
USB Host	Included
USB OTG	Included

INCLUDES:

- Overo FireSTORM-Y COM
- Arbor 43C expansion board
- Newhaven 4.3" capacitive touch LCD display
- USB mini-B cable
- USB OTG cable
- 6' ethernet cable
- 8GB microSD card
- 5V power adapter

TYPICAL APPLICATIONS INCLUDE:

Ideal EVM kit for first-time OMAP users and for the development of any OMAP-based prototype or product.

NOTE: Product substitutions cannot be made to a Gumstix pack. Feel free to assemble your own gum pack by selecting desired products individually through our store.



**Other connector**

- 1 × USB Mini-B to Standard-A Cable
- 1 × USB On-the-Go Cable (Mini-B to Mini-A)
- 1 × Power Jack
- 1 × USB Mini-AB Jack
- 1 × Halo Electronics Low-Profile RJ-45 Connector
- 1 × Hirose 45 Pin FPC Connector with Bottom Contacts
- 2 × 3.5mm Stereo Audio Jacks

Mating connector

- 2 × 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)
- 1 × Hirose 40Pos FPC/FFC Connector

What's included

- 1 × ethernet cable 6 ft
- 1 × Samsung 4.3 inch LCD touch screen
- 1 × Overo FireSTORM COM
- 1 × Lexar 8GB Class10
- 1 × Chestnut43
- 1 × 5V US Power Adapter
- 1 × Newhaven 4.3-inch LCD with capacitive multi-touch
- 1 × FireSTORM-Y
- 1 × Arbor 43C
- 1 × 5V, 3.5A Power Adapter

Key component

- 2 × U.FL Antenna with Collar
- 1 × microSD Card Slot
- 1 × Texas Instruments TPS65950 Power Management
- 1 × Wi2Wi W2CBW003C WiFi/BT Transceiver
- 1 × Micron 512MB DDR LPDRAM & 512MB NAND Flash Memory
- 1 × Texas Instruments DM3730 Applications Processor
- 1 × Microchip (SMSC) LAN9221 Ethernet Controller
- 1 × Texas Instruments TPS62111 Step-Down Converter
- 1 × FTDI FT232RQ USB UART Interface
- 1 × microSD Card Slot
- 1 × TI WiLink8 WL1831MOD
- 1 × Connector (Power Jack Medium)

Product links

- [Technical Specifications](#)
- [Signals Documentation](#)
- [Geppetto®Workspace](#)

