

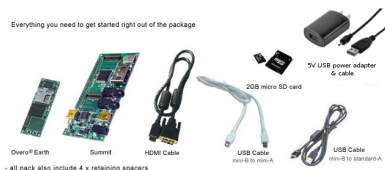


Overo® Summit Pack Product datasheet

KIT0025

USD259.00

OVERO® SUMMIT PACK



Product Features

Input/output	
40-pin header	Not Populated
Inter-board connector	
Board-To-Board Connector	2 x 70-pin AVX connectors
Camera	
Camera Connector	27-Pin (OMAP ISP)
Mechanical	
Height	4.2 mm
Length	80 mm
Width	39 mm
Layout	For OEM design, use layout version R2606 or later, shown here.
Weight	BRD30001 @ 16.5g PKG30001 @ 40g (incl. shipping case)
Display	
DVI-D	HDMI
Memory	
Flash Memory (NAND)	1024
Processor	
Performance	Up to 1,200 Dhrystone MIPS
Processor	Texas Instruments OMAP3503 Applications Processor
Processor Architecture	ARM Cortex-A8
Processor Base Clock	600 MHz
Processor Cores	Single Core
Processor Max Clock	1 GHz
Temperature	Built with components rated $0 < T < 70^{\circ}\text{C}$
Misc	
Power	3.5V - 5V
Power	
Power Management	Texas Instruments TPS65950
RTC Battery Holder	Holder for 6mm rechargeable coin cell RTC battery
Product series	
Product Family	Overo
Storage	
Storage Expansion	via microSD Card Slot
Communications	
USB Console Port	Included
Usb	

INCLUDES:

- Summit expansion board
- Overo EarthSTORM COM
- 5V USB power adapter with cable
- HDMI-to-DVI-D cable
- USB mini-B cable
- USB OTG cable
- Ubuntu system microSD card

APPLICATIONS INCLUDE: AM3703 development, robotics lab.

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 × USB Mini-AB Jack
- 1 × Molex HDMI SMT Connector
- 2 × 3.5mm Stereo Audio Jacks

Mating 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 × Cable (HDMI to DVI-D)
- 1 × Overo Earth COM
- 1 × microSD card 2GB
- 1 × Summit
- 1 × 5V US Power Adapter

Key component

- 1 × microSD Card Slot
- 1 × Texas Instruments TPS65950 Power Management
- 1 × Micron 512MB DDR LPDRAM & 512MB NAND Flash Memory
- 1 × Texas Instruments OMAP3503 Applications Processor
- 1 × Texas Instruments REG711 Converter
- 1 × Texas Instruments TPS62111 Step-Down Converter
- 1 × FTDI FT232RQ USB UART Interface
- 1 × Texas Instruments TFP410 DVI Controller

Product links

- [Geppetto@Workspace](#)