



AeroCore 2 for DragonBoard 410C

Product datasheet

PKG900000000351

USD149.00

AREOCORE 2 FOR DRAGONBOARD 410C



Product Features

Input/output		
	4-Pin Header	2x2, 0.1" Male Pin Header.
	6-Pin Header	2x3, 0.1" Male Pin Header.
Robotics		
	Accelerometer	6-axis internal measurement unit (IMU)
	Barometer	Included
	Controller Area Network (CAN)	For use in applications employing the CAN serial communication physical layer in accordance with the ISO 11898 standard.
	Gyroscope	3-axis gyroscope
General		
	5-pin GPS Connector	Compatible with Gumstix Pre-GO series GPS modules.
Usb		
	USB Device	Micro B USB Plug

- Drone Video featuring AeroCore 2 for Dragonboard
- AeroCore 2 for Dragonboard

Find more information about this product by reading one or all of the following:

Expanding on the AeroCore 2 product suite, the AeroCore 2 for 96Boards provides MAV control to 96Boards compliant platforms. With an ARM Cortex-M4 microcontroller running NuttX RTOS and an integrated connection to the connected 96Boards device, AeroCore 2 gives users a complete Linux installation on a PX4-compatible platform.

The addition of support for NimbeLink Skywire LTE modems makes the AeroCore 2 for 96Boards the perfect platform for drone and swarm projects. Have your drone text you when it reaches it's waypoint or stream data to your server from anywhere over a high-speed LTE connection.

The 9-axis internal measurement unit, along with an altimeter, monitored in real time by the embedded ARM M4 microcontroller, combined with optional geopositioning with the GPS connector, gives you accurate positional feedback from your drone.

CUSTOMIZE YOUR BOARD

Customize the AeroCore 2 for 96Boards to your project's specific needs in Geppetto D2O. Add functionality or remove unused components with the ease of a drag-and-drop interface.

- Clone and kickstart your customized AeroCore 2 expansion board design for 96Boards
- Explore and create a customized expansion board from scratch
- Learn more about Geppetto

IMPORTANT: Software support for the AeroCore 2 for 96Boards limited to Yocto Linux.

RELATED POSTS:

Learn more about this product by checking out the following:

ARTICLES FROM GUMSTIX BLOG

- How to build a DragonBoard 410C Drone Simple Step by Step
- How to Custom Design a 96Boards dev board in minutes?





What's included

1 × AeroCore 2CD for DragonBoard

Key component

1 × Magnetic Buzzer SMT (5V 30mA 92dBA)

1 × Texas Instruments SN65HVD232 CAN Transceiver

1 × FTDI FT232RQ USB UART Interface

1 × Memory (SPI FRAM 1MB 1.8V)

1 × MS5611 Barometric Sensor

2 × Micro B USB Plug

1 × JST-XH Top 3Pos 2.5mm

1 × DF13 Top 5Pos 1.25mm

2 × DF30 Series 24 Position Dual Row 0.4 mm SMT Board to Board Receptacle

1 × ST L3GD20H 3-Axis Gyroscope

1 × LSM303D 6-Axis Accelerometer

Product links

- [Customize in Geppetto](#)
- [Technical Specifications](#)
- [Video Overview](#)
- [Arrow Page](#)
- [Disk Image](#)
- [Geppetto®Workspace](#)

