### Product Features

<table>
<thead>
<tr>
<th>Input/output</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>4-Pin Header</td>
<td>2x, 0.1&quot; Male Pin Header.</td>
</tr>
<tr>
<td>6-Pin Header</td>
<td>2x, 0.1&quot; Male Pin Header.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Robotics</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Accelerometer</td>
<td>6-axis internal measurement unit (IMU)</td>
</tr>
<tr>
<td>Barometer</td>
<td>Barometric pressure sensor</td>
</tr>
<tr>
<td>Controller Area Network (CAN)</td>
<td>For use in applications employing the CAN serial communication physical layer in accordance with the ISO 11898 standard.</td>
</tr>
<tr>
<td>Gyroscope</td>
<td>3-axis gyroscope</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Camera</th>
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</thead>
<tbody>
<tr>
<td>Camera Connector</td>
<td>MIPI CSI-2 Camera Connector</td>
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</table>

<table>
<thead>
<tr>
<th>General</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>5-pin GPS Connector</td>
<td>UART connection for Gumstix Pre-GO modules</td>
</tr>
<tr>
<td>HDMI</td>
<td>micro HDMI</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Processor</th>
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</thead>
<tbody>
<tr>
<td>Processor</td>
<td>ARM Cortex-M4 Microcontroller</td>
</tr>
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<table>
<thead>
<tr>
<th>Usb</th>
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<tbody>
<tr>
<td>USB Device</td>
<td>Micro B USB Plug</td>
</tr>
<tr>
<td>USB OTG</td>
<td>USB Micro-AB Connector</td>
</tr>
</tbody>
</table>

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### AEROCORE 2 FOR NVIDIA® JETSON™

The Aerocore 2 for NVIDIA Jetson puts the parallel processing power of NVIDIA's CUDA cores on a robotics-inspired development board.

The Gumstix Aerocore 2 platform is a tried and true blend of real-time autopilot firmware and high-level processing capabilities, employing an ARM Cortex M4 microcontroller, PX4 firmware, PWMs, serial buses, and GPS along with powerful Linux devices.

Featuring 4 camera connectors, a display port, and USB 3.0, the Aerocore 2 for Jetson is ready to take advantage of the Jetson TX1 and TX2's 256 CUDA cores for computer vision, object identification, AI and deep learning edge applications.

### Mating connector
- 2 × U.FL Connector

### What's included
- 1 × AeroCore 2 for NVIDIA Jetson

### Key component
- 1 × USB Micro AB Connector
- 1 × Micro HDMI (Type D)
- 2 × Micro B USB Plug
- 1 × JST-XH Top 3Pos 2.5mm
- 1 × DF13 Top 5Pos 1.25mm
- 1 × USB3.0 Standard A Jack THRU-HOLE Vertical
- 1 × Intel Joule CSI Camera (JCAM) Connector
- 3 × DF30 Series 24 Position Dual Row 0.4 mm SMT Board to Board Receptacle
- 1 × Magnetic Buzzer SMT (5V 30mA 92dBA)
- 1 × Texas Instruments SN65HVD232 CAN Transceiver
- 1 × FTDI FT232RQ USB UART Interface
- 1 × ST L3GD20H 3-Axis Gyroscope
- 1 × Memory (SPI FRAM 1MB 1.8V)
- 1 × Memory (256Kb I2C Serial Board EEPROM)
- 1 × MS5611 Barometric Sensor
- 1 × LSM303D 6-Axis Accelerometer

### PKG900000000691

USD275.00

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