



SIDERION

FORGED FOR MOTION

Product Catalog



GNSS & RTK Systems

GNSS Antennas

UAV Sensors

Electronic Speed Controllers

Flight Controllers

Drone Equipment

Foreword

When we established Siderion right out of Toulouse, France, our vision was to build high-precision navigation and drone electronics that autonomous systems can blindly trust.

We didn't want to just manufacture components; we wanted to create technology with passion, grounded in local expertise, ethical labor, and uncompromising standards. No outsourcing, no shortcuts.

Motion demands absolute precision, whether it's navigating a complex UAV, stabilizing a robotic platform, or pushing the limits of RTK GNSS tracking. That ethos is built into every product we design.

From our high-precision GNSS receivers (like the DP0601 and the triple-band ZED-F20P-powered lineup) to our ruggedized sensors, magnetometers (RM3100), and airspeed modules, our hardware is designed to perform seamlessly when it matters most and compatible with the ecosystems you already rely on, like PX4, ArduPilot, and Betaflight.

Inside this catalog, you'll find the culmination of our work: professional-grade tools engineered for maximum reliability, extreme accuracy, and effortless integration.

Dive in, explore what we've forged, and let's keep pushing the boundaries of autonomous motion together.

Siderion's team - FORGED FOR MOTION

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GNSS RTK Receivers

DP0601

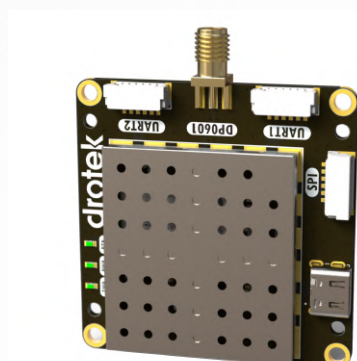
€149.90 tax excl.

Active

From 50 units: €134.91 (10% off)
 From 100 units: €131.16 (12.5% off)
 From 200 units: €127.42 (15% off)
 From 500 units: €123.67 (17.5% off)



[DP0601 →](#)



Main Features

- ☒ L1/L2 RTK based on the u-blox ZED-F9P
- ☒ SMA input connector (active GNSS antenna)
- ☒ USB-C & JST-GH interfaces
- ☒ Compatible with Pixhawk & ArduPilot
- ☒ Easy to integrate in any GNSS projects

Built around the proven u-blox ZED-F9P multi-band GNSS engine, the Siderion DP0601 offers fast RTK convergence and robust multi-constellation tracking to ensure precise positioning in complex environments. Equipped with standard JST-GH interfaces and native compatibility with ArduPilot and Pixhawk flight stacks, it provides a dependable, drop-in high-precision solution for modern robotics and UAV architectures.

Specification

GNSS Chip	U-blox ZED-F9P
GNSS Bands	L1/L2
Antenna Input	Active Antenna

Interface

UART	2 (UART1 & UART2)
USB	1
SPI	1 (SPI or I2C)
I2C	1 (I2C or SPI)
PPS Out	1

Electrical Data

Voltage	5V
I/O Voltage	3.3V
Current	50mA to max 120mA

Mechanical Data

Size	50x50x7mm
Weight	17g
Temperature	-40°C to +70°C

Read the full datasheet here: [DP0601](#)

GNSS RTK Receivers

Sirius F9P

€249.90 tax excl.

Active

From 50 units: €224.91 (10% off)
 From 100 units: €218.66 (12.5% off)
 From 200 units: €212.42 (15% off)
 From 500 units: €206.17 (17.5% off)



[Sirius F9P →](#)



Main Features

- ☒ L1/L2 RTK based on the u-blox ZED-F9P
- ☒ Embedded L1/L2 Active Antenna
- ☒ USB-C & JST-GH interfaces
- ☒ **RM3100** professional-grade magnetometer
- ☒ Compatible with Pixhawk & ArduPilot

Engineered for applications where space and weight are critical, the Siderion SP0700 pairs the advanced u-blox ZED-F20P triple-band engine with an exceptionally small footprint. Designed with castellated edge holes matching standard 2.0mm pitch surface-mount footprints, it can be soldered directly onto host PCB boards for streamlined hardware integration to deliver rapid RTK convergence and sub-centimeter accuracy.

Specification

GNSS Chip	U-blox ZED-F9P
GNSS Bands	L1/L2
Antenna	Embedded active Antenna
RM3100	Yes (1)

Interface

UART	2 (GPS & UART)
USB	1
I2C	1
PPS Out	1

Electrical Data

Voltage	5V
I/O Voltage	3.3V
Current	50mA to max 120mA

Mechanical Data

Size	74x74x22mm
Weight	100g
Temperature	-40°C to +70°C

Read the full datasheet here: [SP0700](#)

GNSS RTK Receivers

SP0700

€179.90 tax excl.

Active

From 50 units: €161.91 (10% off)
 From 100 units: €157.41 (12.5% off)
 From 200 units: €152.92 (15% off)
 From 500 units: €148.42 (17.5% off)



[SP0700 →](#)

Main Features

- ☒ L1/L2/L5 RTK based on the u-blox ZED-F20P
- ☒ Compact form factor
- ☒ Castellated holes for module soldering
- ☒ "Zigbee-type" mounting
- ☒ u.FL or SMA GNSS input options



Engineered for applications where space and weight are critical, the Siderion SP0700 pairs the advanced u-blox ZED-F20P triple-band engine with an exceptionally small footprint. Designed with castellated edge holes matching standard 2.0mm pitch surface-mount footprints, it can be soldered directly onto host PCB boards for streamlined hardware integration to deliver rapid RTK convergence and sub-centimeter accuracy.

Specification

GNSS Chip	U-blox ZED-F20P
GNSS Bands	L1/L2/L5
Antenna Input	Active Antenna

Interface

UART	2 (UART1 & UART2)
USB	1
SPI	1 (SPI or I2C)
I2C	1 (I2C or SPI)
PPS Out	1

Electrical Data

Voltage	3.3V
I/O Voltage	3.3V
Current	50mA to max 120mA

Mechanical Data

Size	28x24x6mm
Weight	6g
Temperature	-40°C to +70°C

Read the full datasheet here: [SP0700](#)

GNSS RTK Receivers

SP0701

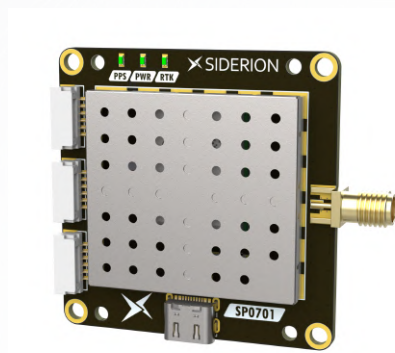
€189.90 tax excl.

Active

From 50 units: €170.91 (10% off)
 From 100 units: €166.16 (12.5% off)
 From 200 units: €161.42 (15% off)
 From 500 units: €156.67 (17.5% off)



[SP0701 →](#)



Main Features

- ☒ L1/L2/L5 RTK based on the u-blox ZED-F20P
- ☒ SMA input connector (active GNSS antenna)
- ☒ USB-C & JST-GH interfaces
- ☒ Compatible with Pixhawk & ArduPilot
- ☒ Easy to integrate in any GNSS projects

The SP0701 is a high-performance RTK GNSS module powered by the u-blox ZED-F20P receiver. Successor to the best-selling “DP0601”, it delivers centimeter-level positioning accuracy for demanding autonomous systems. Designed with standard JST-GH interfaces and plug-and-play support for Pixhawk, ArduPilot, and Betaflight, it integrates effortlessly into UAVs, robotics, precision agriculture, and mapping platforms.

Specification

GNSS Chip	U-blox ZED-F20P
GNSS Bands	L1/L2/L5
Antenna Input	Active Antenna

Interface

UART	2 (UART1 & UART2)
USB	1
SPI	1 (SPI or I2C)
I2C	1 (I2C or SPI)
PPS Out	1

Electrical Data

Voltage	5V
I/O Voltage	3.3V
Current	50mA to max 120mA

Mechanical Data

Size	50x50x7mm
Weight	17g
Temperature	-40°C to +70°C

Read the full datasheet here: [SP0701](#)

GNSS RTK Receivers

SP0702

€189.90 tax excl.

Active

From 50 units: €170.91 (10% off)
 From 100 units: €166.16 (12.5% off)
 From 200 units: €161.42 (15% off)
 From 500 units: €156.67 (17.5% off)



[SP0702 →](#)



Main Features

- ☒ L1/L2/L5 RTK based on the u-blox ZED-F20P
- ☒ u.FL input connector (active GNSS antenna)
- ☒ mini PCIe interface.
- ☒ Easy to integrate in any GNSS projects

The SP0702 is a high-performance RTK GNSS module built into an industry-standard Mini PCIe form factor, powered by the u-blox ZED-F20P engine to deliver sub-centimeter positioning accuracy. By leveraging a standard mPCIe slot, it eliminates custom carrier board redesigns allowing engineers to instantly add high-precision navigation to industrial PCs, single-board computers, and flight controllers via a simple plug-and-play card.

Specification

GNSS Chip	U-blox ZED-F20P
GNSS Bands	L1/L2/L5
Antenna Input	Active u.FL Antenna
Other	Mini PCI Express

Interface

UART	2 (UART1 & UART2)
USB	1
SPI	1 (SPI or I2C)
I2C	1 (I2C or SPI)
PPS Out	1

Electrical Data

Voltage	3.3V
I/O Voltage	3.3V
Current	50mA to max 120mA

Mechanical Data

Size	51x30x4.1mm
Weight	12g
Temperature	-40°C to +70°C

Read the full datasheet here: [SP0702](#)

GNSS RTK Receivers

SP0703

€229.90 tax excl.

Active

From 50 units: €206.91 (10% off)
 From 100 units: €201.16 (12.5% off)
 From 200 units: €195.42 (15% off)
 From 500 units: €189.67 (17.5% off)



[SP0703 →](#)



Main Features

- ✓ L1/L2/L5 RTK based on the u-blox ZED-F20P
- ✓ **RM3100** professional-grade magnetometer
- ✓ **BMP581** high precision pressure sensor
- ✓ USB-C & JST-GH interfaces
- ✓ Compatible with Pixhawk & ArduPilot

Engineered as a complete positioning and orientation solution, the Siderion SP0703 combines the u-blox ZED-F20P triple-band (L1/L2/L5) RTK engine with a magneto-inductive RM3100 magnetometer and a high-accuracy BMP581 barometer for precise vertical measurement. Featuring standard JST-GH connectors for native ArduPilot and Pixhawk integration, it delivers reliable position, heading, and altitude data in a single product.

Specification

GNSS Chip	U-blox ZED-F20P
GNSS Bands	L1/L2/L5
Antenna Input	Active Antenna
RM3100	Yes (1)
BMP581	Yes (1)

Interface

UART	2 (UART1 & UART2)
USB	1
I2C	1
PPS Out	1

Electrical Data

Voltage	5V
I/O Voltage	3.3V
Current	50mA to max 130mA

Mechanical Data

Size	40x30x8mm
Weight	13g
Temperature	-40°C to +70°C

Read the full datasheet here: [SP0703](#)

GNSS RTK Receivers

Beacon F20P

€239.90 tax excl.

Active

From 50 units: €215.91 (10% off)
 From 100 units: €209.91 (12.5% off)
 From 200 units: €203.92 (15% off)
 From 500 units: €197.42 (17.5% off)



[Beacon F20P →](#)



Main Features

- ☒ L1/L2/L5 RTK based on the u-blox ZED-F20P
- ☒ **RM3100** professional-grade magnetometer
- ☒ **BMP581** high precision pressure sensor
- ☒ USB-C & JST-GH interfaces
- ☒ Compatible with Pixhawk & ArduPilot

Engineered as a complete positioning and orientation solution, the Siderion SP0703 combines the u-blox ZED-F20P triple-band (L1/L2/L5) RTK engine with a magneto-inductive RM3100 magnetometer and a high-accuracy BMP581 barometer for precise vertical measurement. Featuring standard JST-GH connectors for native ArduPilot and Pixhawk integration, it delivers reliable position, heading, and altitude data in a single product.

Specification

GNSS Chip	U-blox ZED-F20P
GNSS Bands	L1/L2/L5
Antenna Input	Active Antenna
RM3100	Yes (1)
BMP581	Yes (1)

Interface

UART	2 (UART1 & UART2)
USB	1
I2C	1
PPS Out	1

Electrical Data

Voltage	5V
I/O Voltage	3.3V
Current	50mA to max 130mA

Mechanical Data

Size	63x33x13mm
Weight	20g
Temperature	-40°C to +70°C

Read the full datasheet here: [Beacon F20P](#)

GNSS RTK Receivers

Pioneer F20P

€239.90 tax excl.

Active

From 50 units: €215.91 (10% off)
 From 100 units: €209.91 (12.5% off)
 From 200 units: €203.92 (15% off)
 From 500 units: €197.42 (17.5% off)



[Pioneer F20P →](#)



Main Features

- ☒ L1/L2/L5 RTK based on the u-blox ZED-F20P
- ☒ **RM3100** professional-grade magnetometer
- ☒ **BMP581** high precision pressure sensor
- ☒ USB-C & JST-GH interfaces
- ☒ Compatible with Pixhawk & ArduPilot

Engineered as a complete positioning and orientation solution, the Siderion SP0703 combines the u-blox ZED-F20P triple-band (L1/L2/L5) RTK engine with a magneto-inductive RM3100 magnetometer and a high-accuracy BMP581 barometer for precise vertical measurement. Featuring standard JST-GH connectors for native ArduPilot and Pixhawk integration, it delivers reliable position, heading, and altitude data in a single product.

Specification

GNSS Chip	U-blox ZED-F20P
GNSS Bands	L1/L2/L5
Antenna Input	Active Antenna
RM3100	Yes (1)
BMP581	Yes (1)

Interface

UART	2 (UART1 & UART2)
USB	1
I2C	1
PPS Out	1

Electrical Data

Voltage	5V
I/O Voltage	3.3V
Current	50mA to max 130mA

Mechanical Data

Size	43x33x13mm
Weight	17g
Temperature	-40°C to +70°C

Read the full datasheet here: [Pioneer F20P](#)

Standard GNSS Receivers

Polaris F10N

€119.90 tax excl.

Active

From 50 units: €107.91 (10% off)
 From 100 units: €104.91 (12.5% off)
 From 200 units: €101.92 (15% off)
 From 500 units: €98.92 (17.5% off)



[Polaris F10N →](#)



Main Features

- ☒ L1/L5 RTK based on the u-blox ZED-F9P
- ☒ Embedded GNSS passive patch antenna
- ☒ **RM3100** professional-grade magnetometer
- ☒ **BMP581** high precision pressure sensor
- ☒ Compatible with Pixhawk & ArduPilot

Unlock unmatched accuracy with the Polaris F10N, a cutting-edge standard GNSS receiver powered by a RM3100 magnetometer and a BMP581 barometric sensor.

Based on the u-blox DAN-F10N, it is perfect for drones, robotics, and IoT, this module delivers accurate positioning, reliable heading, and precise altitude tracking. Compact, efficient, and built for performance, the Polaris F10N is the ultimate GPS to elevate your project.

Specification

GNSS Chip	U-blox DAN-F10N
GNSS Bands	L1/L5
Antenna	Embedded Passive Antenna
RM3100	Yes (1)
BMP581	Yes (1)

Interface

UART	1 (GPS)
I2C	1
PPS Out	1

Electrical Data

Voltage	5V
I/O Voltage	3.3V
Current	Max 50mA

Mechanical Data

Size	50x50x7mm
Weight	17g
Temperature	-40°C to +70°C

Read the full datasheet here: [Polaris F10N](#)

GNSS Antennas

SA233

€69.90 tax excl.

Active

From 50 units: €62.91 (10% off)
 From 100 units: €61.16 (12.5% off)
 From 200 units: €59.42 (15% off)
 From 500 units: €57.67 (17.5% off)



[SA233 →](#)



Main Features

- ☒ L1/L2 GNSS helical active antenna
- ☒ Embedded GNSS passive patch antenna
- ☒ **RM3100** professional-grade magnetometer
- ☒ **BMP581** high precision pressure sensor
- ☒ Compatibility with Pixhawk & ArduPilot

The Siderion **SA233** is a high-performance helical multi-band active GNSS antenna designed for precision navigation and positioning applications.

The device allows concurrent reception of GPS /GLONASS / BeiDou & Galileo signals to improve signal availability. The minimum 2dBi peak gain is amplified using a 39dB LNA gain to ensure the best signal quality in any situation.

Specification

GNSS Bands	GPS: L1/L2 GLONASS: G1/G2 BDS: B1/B2/B3 Galileo: E1/E5/E6
GNSS Gain	39dB
Antenna type	Helical active antenna

Interface

Connector	SMA (Male)
Rubber Joint	IP67

Electrical Data

Voltage	3V to 12V
Current	50mA max

Mechanical Data

Size	60x27.5mm
Weight	16g
Temperature	-40°C to +85°C

Read the full datasheet here: [SA233](#)

GNSS Antennas

SA275

€69.90 tax excl.

Active

From 50 units: €62.91 (10% off)
 From 100 units: €61.16 (12.5% off)
 From 200 units: €59.42 (15% off)
 From 500 units: €57.67 (17.5% off)



[SA275 →](#)



Main Features

- ✓ L1/L5 RTK based on the u-blox ZED-F9P
- ✓ Embedded GNSS passive patch antenna
- ✓ **RM3100** professional-grade magnetometer
- ✓ **BMP581** high precision pressure sensor
- ✓ JST-GH for compatibility with Pixhawk & ArduPilot

The Siderion SA275 is a high-performance helical multi-band active GNSS antenna designed for precision navigation and positioning applications.

Leveraging multi-arm, multi-feed point technology, it supports L1, L2 & L5 signal reception across BeiDou, GPS, GLONASS and Galileo satellite systems. The minimum 2dBi peak gain is amplified using a 32dB LNA gain to ensure the best signal quality in any situation.

Specification

GNSS Bands	GPS: L1/L2/L5
	GLONASS: G1/G2
	BDS: B1/B2/B3
	Galileo: E1/E5/E6
GNSS Gain	32dB
Antenna type	Helical active antenna

Interface

Connector	SMA (Male)
Rubber Joint	IP67

Electrical Data

Voltage	3V to 6V
Current	45mA max

Mechanical Data

Size	54x27.8mm
Weight	16g
Temperature	-40°C to +85°C

Read the full datasheet here: [SA275](#)

GNSS Antennas

SA435

€69.90 tax excl.

Active

From 50 units: €62.91 (10% off)
 From 100 units: €61.16 (12.5% off)
 From 200 units: €59.42 (15% off)
 From 500 units: €57.67 (17.5% off)



[SA435 →](#)



Main Features

- ☒ L1/L5 RTK based on the u-blox ZED-F9P
- ☒ Embedded GNSS passive patch antenna
- ☒ **RM3100** professional-grade magnetometer
- ☒ **BMP581** high precision pressure sensor
- ☒ JST-GH for compatibility with Pixhawk & ArduPilot

The Siderion SA435 is a high-performance helical multi-band active GNSS antenna designed for precision navigation and positioning applications.

Leveraging multi-arm, multi-feed point technology, it supports L1, L2 & L5 signal reception across BeiDou, GPS, GLONASS and Galileo satellite systems. The minimum 2dBi peak gain is amplified using a 35dB LNA gain to ensure the best signal quality in any situation.

Specification

GNSS Bands	GPS: L1/L2/L5
	GLONASS: G1/G2/G3
	BDS: B1/B2/B3
	Galileo: E1/E5/E6
GNSS Gain	35dB
Antenna type	Helical active antenna

Interface

Connector	SMA (Male)
Rubber Joint	IP67

Electrical Data

Voltage	3V to 6V
Current	45mA max

Mechanical Data

Size	43.5x40.8mm
Weight	32g
Temperature	-40°C to +85°C

Read the full datasheet here: [SA435](#)

GNSS Antennas

ANN-MB

€49.90 tax excl.

Active

From 50 units: €44.91 (10% off)
 From 100 units: €43.66 (12.5% off)
 From 200 units: €42.42 (15% off)
 From 500 units: €41.17 (17.5% off)



[ANN-MB →](#)

Main Features



- ☒ L1/L2 Dual-Feed active patch antenna
- ☒ High GNSS gain: 21dB
- ☒ Excellent price to performance ratio
- ☒ Compact and versatile
- ☒ 5m long cable

The u-blox ANN-MB multi-band (L1, L2/E5b/B2I) active GNSS antennas are designed to reduce time to market for the next generation of high precision GNSS applications, which require highly accurate location information. The compact design, excellent price to performance ratio, and versatile mounting and connector choices provide customers with fast, easy, and reliable multi-band antenna solutions. The ANN-MB antenna is a perfect match to the u-blox F9P based Siderion modules.

Specification

GNSS Bands	GPS: L1/L2
	GLONASS: G1/G2
	BDS: B1/B2
	Galileo: E1/E5
GNSS Gain	21dB
Antenna type	Dual-feed active patch antenna

Interface

Connector	SMA (Male)
Mounting	2xM4mm holes
Cable length	5m

Electrical Data

Voltage	3V to 5V
Current	15mA

Mechanical Data

Size	80x60x23mm
Weight	173g
Temperature	-40°C to +85°C

Read the full datasheet here: [ANN-MB](#)

GNSS Antennas

ANN-MB2

€59.90 tax excl.

Active

From 50 units: €53.91 (10% off)
 From 100 units: €52.41 (12.5% off)
 From 200 units: €50.92 (15% off)
 From 500 units: €49.42 (17.5% off)



[ANN-MB2 →](#)



Main Features

- ☒ L1/L2/L5 Active patch antenna
- ☒ High GNSS gain: 23dB
- ☒ Excellent price to performance ratio
- ☒ Compact and versatile
- ☒ 5m long cable

The u-blox ANN-MB2 multi-band (L1/L2/L5/E6/B3/L) active GNSS antenna is designed to reduce time-to-market for modern wide-frequency, multi-constellation, high precision GNSS applications. Its robust design, excellent price-to-performance ratio, and flexible mounting options make ANN-MB2 an ideal choice for mass market applications requiring an all-band high precision GNSS antenna. ANN-MB2 is a perfect match to the u-blox triple-band F20 (e.g. ZED-D20P) and all-band X20 high precision platform (e.g. ZED-X20P).

Specification

GNSS Bands	GPS: L1/L2/L5
	BDS: B1/B2/B3
	Galileo: E1/E6
GNSS Gain	23dB
Antenna type	Dual-feed active patch antenna

Interface

Connector	SMA (Male)
Mounting	2xM4mm holes
Cable length	5m

Electrical Data

Voltage	3V to 5V
Current	15mA

Mechanical Data

Size	108.5x92.9x24.7mm
Weight	260g
Temperature	-40°C to +85°C

Read the full datasheet here: [ANN-MB2](#)

GNSS Antennas

SA910

€99.90 tax excl.

Active

From 50 units: €89.91 (10% off)
 From 100 units: €87.41 (12.5% off)
 From 200 units: €84.92 (15% off)
 From 500 units: €82.42 (17.5% off)



[SA910 →](#)



Main Features

- ✓ L1/L5 RTK based on the u-blox ZED-F9P
- ✓ Embedded GNSS passive patch antenna
- ✓ **RM3100** professional-grade magnetometer
- ✓ **BMP581** high precision pressure sensor
- ✓ JST-GH for compatibility with Pixhawk & ArduPilot

The SA910 is an affordable and highly efficient multi-band GNSS active antenna and allows concurrent reception of GPS/GLONASS/BeiDou & Galileo signals to improve signal availability. The minimum 5dBi peak gain is amplified using a 40dB LNA gain to ensure the best signal quality in any situation. Its magnetic pod makes it an ideal choice to be easily attached to larger vehicles such as tractors and heavy machines. The SA910 antenna is also the best choice for RTK GNSS bases.

Specification

GNSS Bands	GPS: L1/L2/L5 GLONASS: G1/G2/G3 BDS: B1/B2/B3 Galileo: E1/E2/E5/E6
GNSS Gain	40dB
Antenna type	Active antenna

Interface

Connector	TNC-K
Rubber Joint	IP67
Cable length	1m long TNC to SMA

Electrical Data

Voltage	3V to 12V
Current	50mA max

Mechanical Data

Size	151.5x66.5mm
Weight	16g
Temperature	-40°C to +85°C

Read the full datasheet here: [SA910](#)

Sensors

RM3100

€42.90 tax excl.

Active

From 50 units: €38.61 (10% off)
 From 100 units: €37.54 (12.5% off)
 From 200 units: €36.47 (15% off)
 From 500 units: €35.39 (17.5% off)



[RM3100 →](#)



Main Features

- ☒ L1/L5 RTK based on the u-blox ZED-F9P
- ☒ Embedded GNSS passive patch antenna
- ☒ **RM3100** professional-grade magnetometer
- ☒ **BMP581** high precision pressure sensor
- ☒ Compatible with Pixhawk & ArduPilot

Achieve unmatched heading precision with the professional-grade **RM3100** magnetometer. Ultra-low power, compact size, and an extensive dynamic range.

Ideal for UAVs, drones, robotics, and precision farming.

Specification

Sensor chip	PNI RM3100
Resolution	13nT @200 Cycle Counts
Mag range	±800μT

Interface

SPI	1 (1Mhz)
I2C	1 (1MHz)

Electrical Data

Voltage	5V
I/O Voltage	3.3V
Current	10mA max

Mechanical Data

Size	33x26x10mm
Weight	7g
Temperature	-40°C to +70°C

Read the full datasheet here: [RM3100](#)

Sensors

MS4525 Airspeed

€49.90 tax excl.

Active

From 50 units: €44.91 (10% off)
 From 100 units: €43.66 (12.5% off)
 From 200 units: €42.42 (15% off)
 From 500 units: €41.17 (17.5% off)



[MS4525 →](#)



Main Features

- ☒ High-Accuracy (14 bit ADC)
- ☒ Differential inputs, ideal for Pitot tubes
- ☒ ±1 PSI pressure range (Max speed: 350Km/h)
- ☒ Compatible with Pixhawk & ArduPilot

Achieve outstanding airspeed accuracy with the MS4525 Airspeed.
 A small, differential, high-performance pressure sensor based on the TE MS4525DO.

Ideal for unmanned aerial vehicles, drones, fixed-wings, robotics.

Specification

Sensor chip	TE MS4525DO
Resolution	14bit ADC
Pressure range	±1 PSI (Max speed: 350Km/h)

Interface

I2C	1 (400KHz)
Input	1 differential input

Electrical Data

Voltage	5V
I/O Voltage	3.3V
Current	3mA max

Mechanical Data

Size	33x26x15mm
Weight	8g
Temperature	-40°C to +70°C

Read the full datasheet here: [MS4525 Airspeed](#)

Sensors

MS5525 Airspeed

€54.90 tax excl.

Active

From 50 units: €49.41 (10% off)
 From 100 units: €48.04 (12.5% off)
 From 200 units: €46.67 (15% off)
 From 500 units: €48.04 (17.5% off)



[MS5525 →](#)



Main Features

- ☒ High-Accuracy (24 bit ADC)
- ☒ Differential inputs, ideal for Pitot tubes
- ☒ ±1 PSI pressure range (Max speed: 350Km/h)
- ☒ Compatible with Pixhawk & ArduPilot

Achieve outstanding airspeed accuracy with the MS5525 Airspeed.
 A small, differential, high-performance pressure sensor based on the TE MS5525DSO.

Ideal for unmanned aerial vehicles, drones, fixed-wings, robotics.

Specification

Sensor chip	TE MS5525DSO
Resolution	24bit ADC
Pressure range	±1 PSI (Max speed: 350Km/h)

Interface

SPI	1 (2MHz)
I2C	1 (400KHz)
Input	1 differential input

Electrical Data

Voltage	5V
I/O Voltage	3.3V
Current	2mA max

Mechanical Data

Size	33x26x10mm
Weight	7g
Temperature	-40°C to +70°C

Read the full datasheet here: [MS5525 Airspeed](#)

Sensors

SDP33 Airspeed

€54.90 tax excl.

Active

From 50 units: €49.41 (10% off)
 From 100 units: €48.04 (12.5% off)
 From 200 units: €46.67 (15% off)
 From 500 units: €48.04 (17.5% off)



[SDP33 →](#)



Main Features

- ☒ High-Accuracy (16 bit ADC)
- ☒ Differential inputs, ideal for Pitot tubes
- ☒ ±1500Pa pressure range (Max speed: 180Km/h)
- ☒ Compatible with Pixhawk & ArduPilot

Achieve outstanding airspeed accuracy with the SDP33 Airspeed.

A tiny form factor, differential, high-performance pressure sensor based on the Sensirion SDP33.

Ideal for unmanned aerial vehicles, drones, fixed-wings, robotics.

Specification

Sensor chip	Sensirion SDP33
Resolution	16bit ADC
Pressure range	±1500Pa

Interface

I2C	1 (400KHz)
Input	1 differential input
Other	No calibration needed

Electrical Data

Voltage	5V
I/O Voltage	3.3V
Current	Max 50mA

Mechanical Data

Size	26x17x8mm
Weight	4g
Temperature	-40°C to +70°C

Read the full datasheet here: [SDP33 Airspeed](#)

Sensors

BMM350

€19.90 tax excl.

Active

From 50 units: €17.91 (10% off)
 From 100 units: €17.41 (12.5% off)
 From 200 units: €16.92 (15% off)
 From 500 units: €16.42 (17.5% off)



[BMM350 →](#)



Main Features

- ✓ Magnetic sensor based on Bosch's BMM350
- ✓ Low power consumption (200µA @100Hz)
- ✓ Wide magnetic field range ($\pm 2000 \mu\text{T}$ on all axis)
- ✓ Minuscule footprint & weight (26x17x8mm / 4g)
- ✓ Compatible with Pixhawk & ArduPilot

The BMM350 is Bosch's next-generation 3-axis geomagnetic sensor, designed to give microcontrollers precise compass heading and dead-reckoning support. Whether you're equipping an autonomous drone with reliable heading tracking, building head-tracking hardware for VR/AR, or adding indoor navigation to a wearable, the BMM350 handles stray magnetic interference effortlessly thanks to its built-in field-shock reset features.

Specification

Sensor chip Bosch Sensortech BMM350
Resolution ~100nT
Magnetic range $\pm 2000 \mu\text{T}$ for X, Y, and Z axes

Interface

I2C 1 (1MHz)

Electrical Data

Voltage 5V
I/O Voltage 3.3V
Current Max 3.5mA

Mechanical Data

Size 26x17x8mm
Weight 4g
Temperature -40°C to +70°C

Read the full datasheet here: [BMM350](#)

Sensors

VL53L1X

€19.90 tax excl.

Active

From 50 units: €17.91 (10% off)
 From 100 units: €17.41 (12.5% off)
 From 200 units: €16.92 (15% off)
 From 500 units: €16.42 (17.5% off)



[VL53L1X →](#)



Main Features

- ☒ Time-of-Flight IR Sensor based on ST's VL53L1X
- ☒ Distance up to 400cm
- ☒ Infrared protective cover
- ☒ Minuscule footprint & weight (26x17x8mm / 4g)
- ☒ Compatible with Pixhawk & ArduPilot

The ST VL53L1X Time-of-Flight range sensor powered by STMicroelectronics, is a micro-laser module that accurately measures distances up to 400 cm (13 feet) at speeds up to 50 Hz. Unlike traditional infrared sensors that estimate distance based on reflected light intensity, the VL53L1X measures the exact time it takes for photons to bounce back, ensuring target color, reflectivity, and surface texture don't distort your readings.

Specification

Sensor chip	VL53L1X
Field of View	15 to 27°
Distance	Up to 400cm
Sampling frequency	up to 50Hz

Interface

I2C	1 (400KHz)
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Electrical Data

Voltage	5V
I/O Voltage	3.3V
Current	Max 20mA

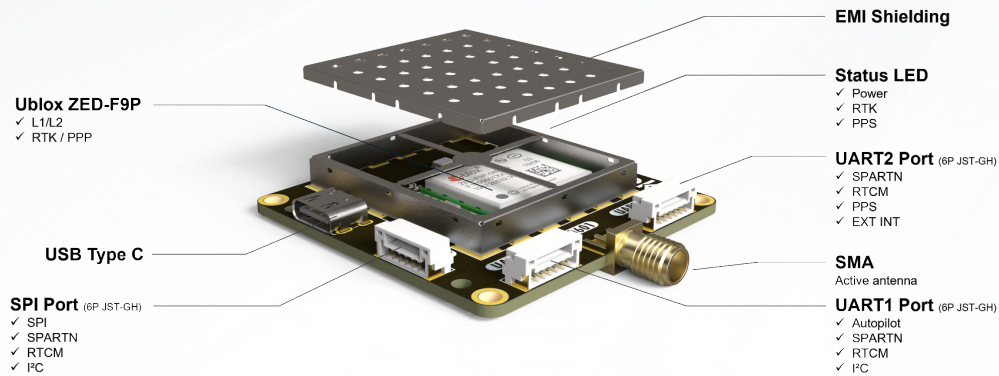
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Size	26x17x8mm
Weight	4g
Temperature	-40°C to +70°C

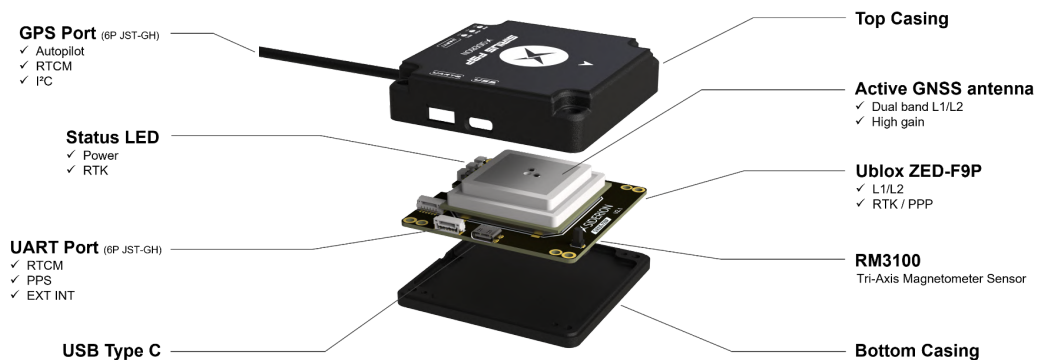
Read the full datasheet here: [VL53L1X](#)

Product Description

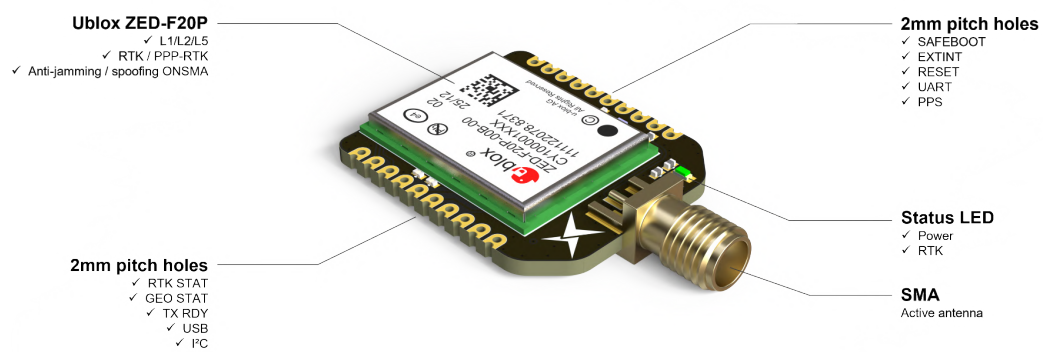
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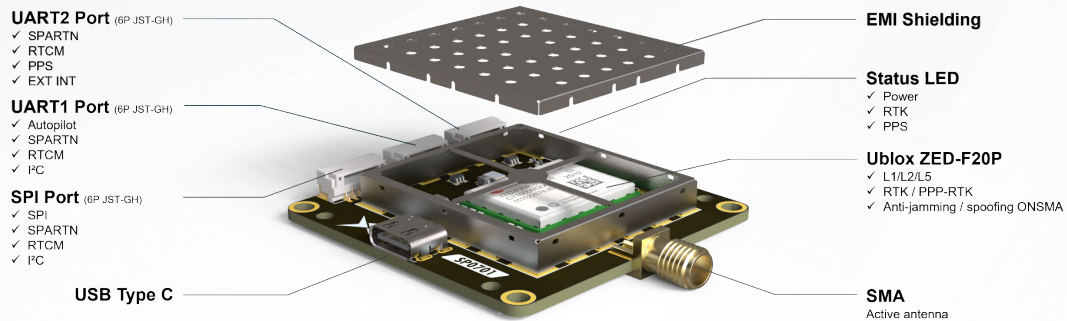
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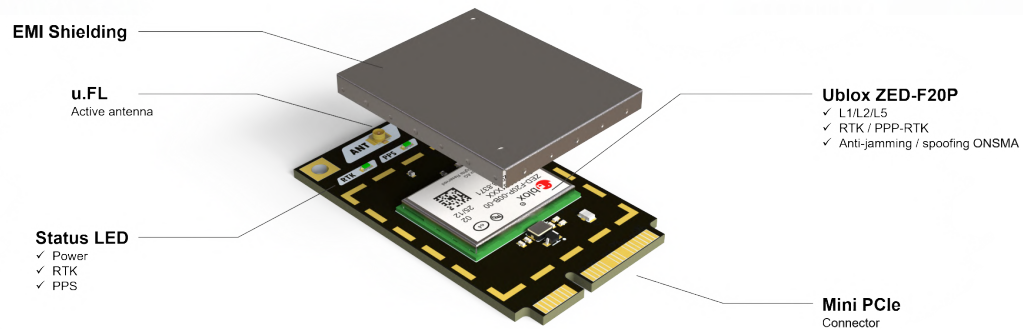
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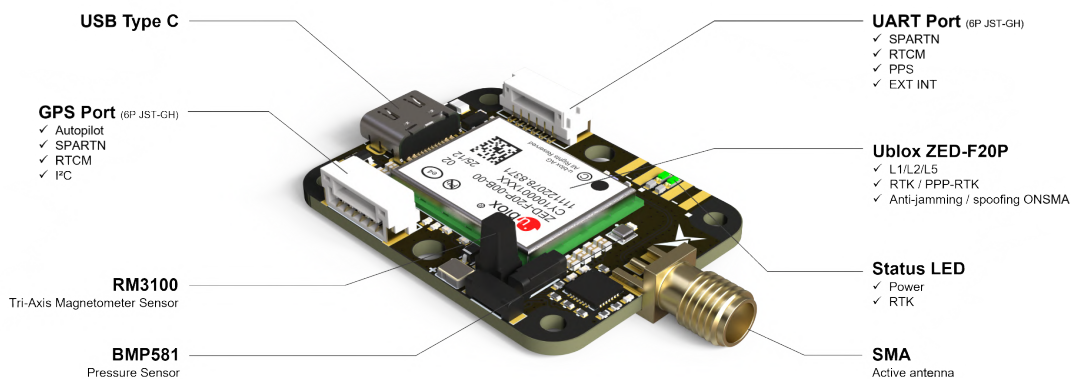
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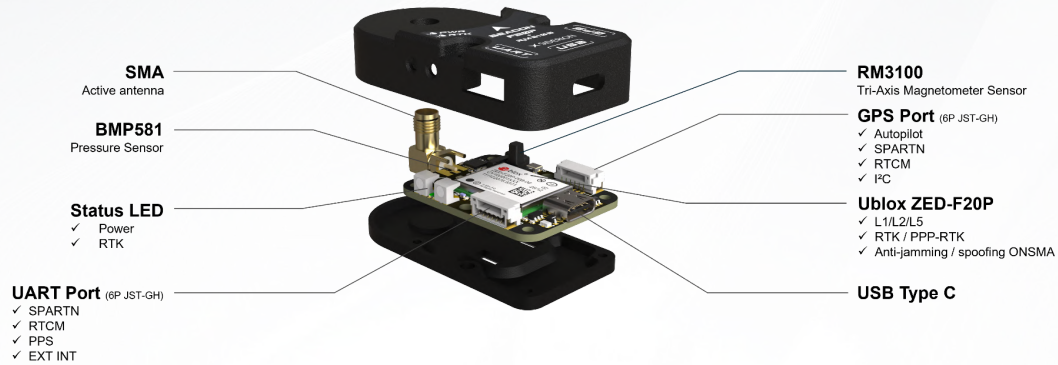
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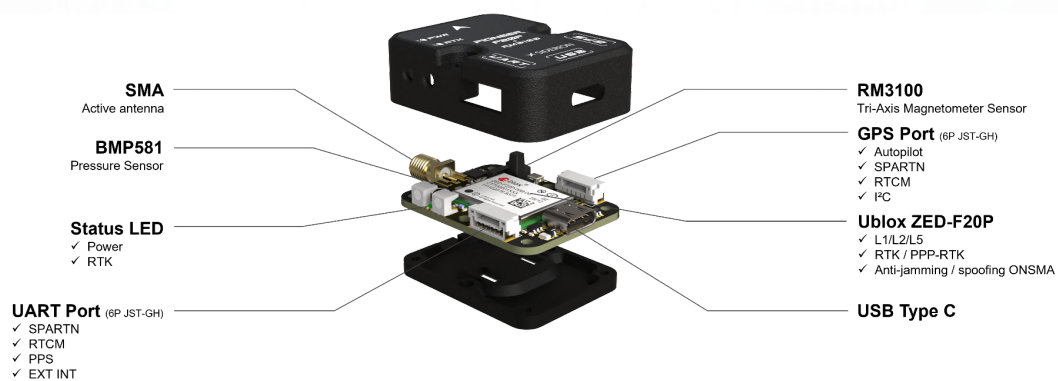
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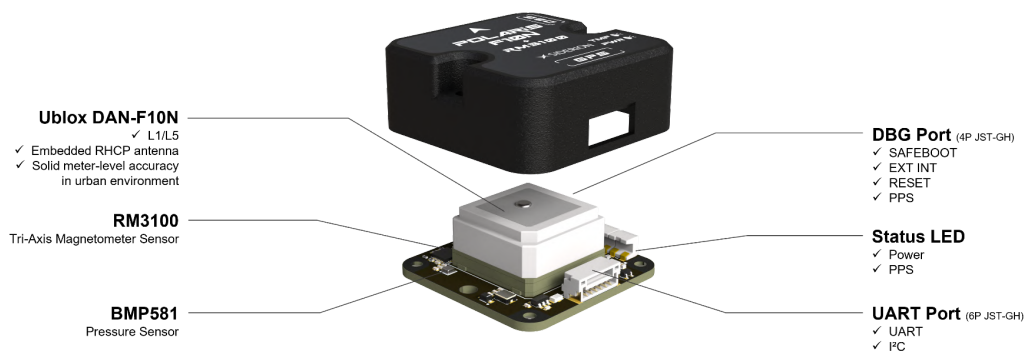
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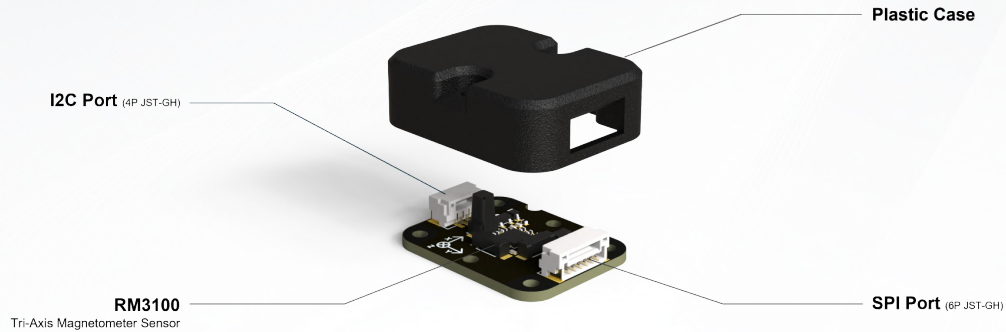
Pioneer F20P



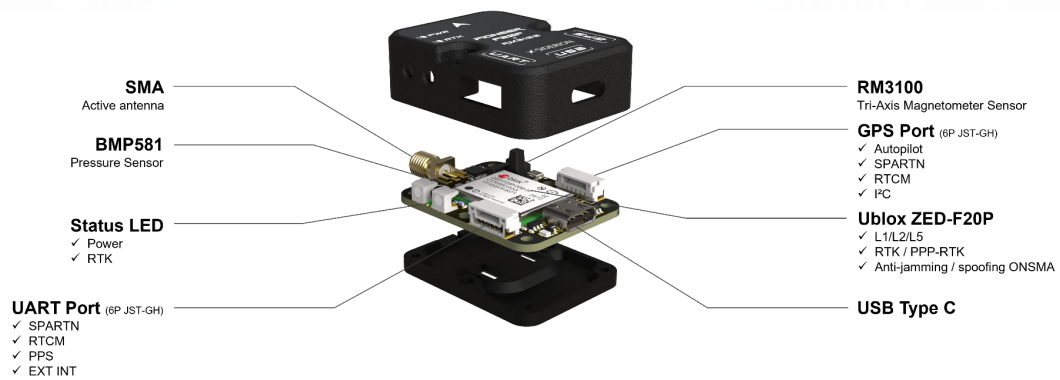
Polaris F10N



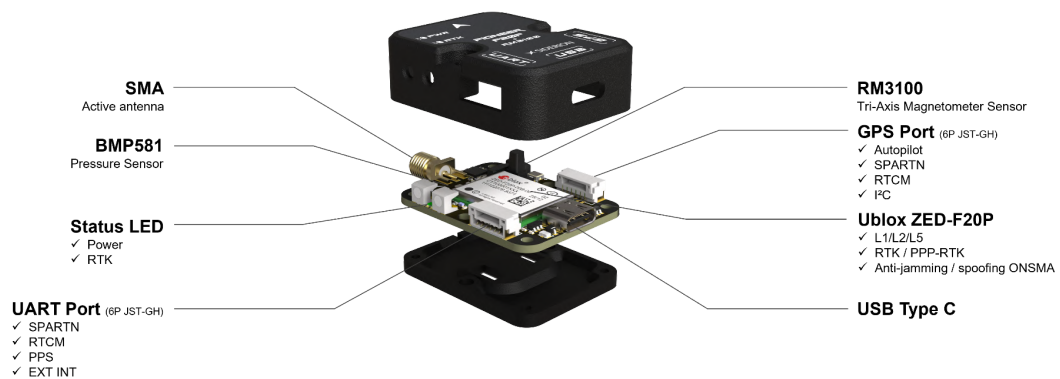
RM3100



Pioneer F20P



Pioneer F20P



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