Micro u-blox ZED-X20P

Includes:
- 1 ArduSimple Micro board with u-blox ZED-X20P module

More info about the product!

Micro u-blox ZED-X20P has several different configurations to provide you with flexibility:

SKU	Variation Name
AS-RTK-MICRO-X20P-SMATH-00	SMA / Through hole
AS-RTK-MICRO-X20P-UFLTH-00	uFL / Through hole

Get a discounted bulk price on this product for orders of 50 units or more. Contact us at info@ardusimple.com to get a quote.

Description

Let ArduSimple Micro u-blox ZED-X20P accelerate your RTK project thanks to its easy to integrate footprint, integrated RF connector & delivered to you in 2-4 business days. We take care of the RF design and complex module integration so you can focus on your PCB design and the application.

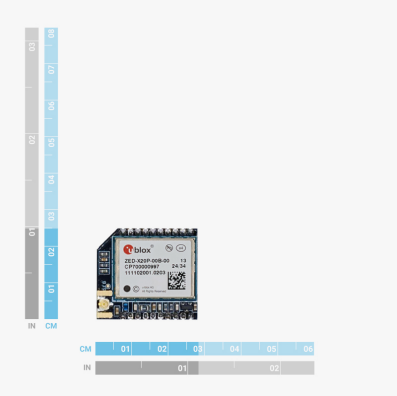
- Smallest Form Factor
- Many ZED-X20P pins available
- Compatible with many other modules from the ArduSimple Micro series
- Re-usable: if you do a new PCB you can un-mount from your previous version the expensive GPS!
- Smaller PCB area needed: you can use the space below the module to place other components!
- Easy to solder by hand or machine
- No RF knowledge required, because all RF components are already inside: simply uFL for pigtail connection or long SMA for direct panel mount
- Bulk pricing starting 50 units

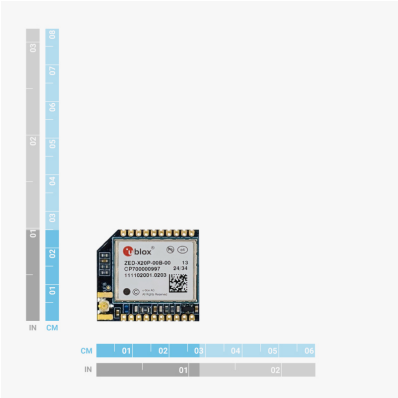
Specifications

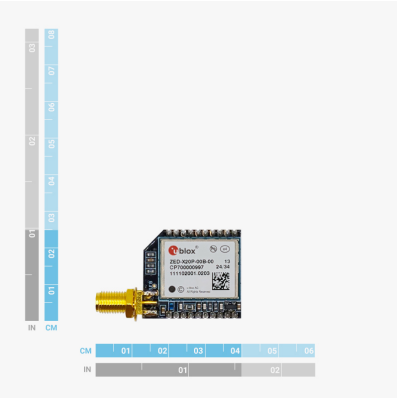
ZED-X20P features

- Centimeter level precision:
  - <1cm with a base station up to 35km
  - <1cm with NTRIP up to 35km
  - <4cm with SSR corrections
  - <1.5m in standalone mode
  - <0.9m standalone with SBAS coverage
- Update rate
  - Default: 1Hz
  - With maximum performance: up to 25Hz
- Multi band: L1, L2, L5 and L6 support
- Multifrequency and Multiconstellation:
  - GPS: L1C/A L2C L5
  - Galileo: E1-B/C E5a E6
  - BeiDou: B1I B1C B2a B3I
  - QZSS: L1C/A L2C/B L2C L5 L6
  - Navic: SPS-L5
  - SBAS: WAAS, EGNOS, MSAS, GAGAN and SouthPAN
- Start-up times:
  - First position fix: 25 seconds (cold), 2 seconds (hot)
  - Warm start: <10s
  - First RTK fix: 35 seconds (cold)
- RAW data output in UBX format
- Base and Rover functionality
- Operating temperature Range: -40 to +85degC
- Certification: CE
- Documentation: RED, RoHS

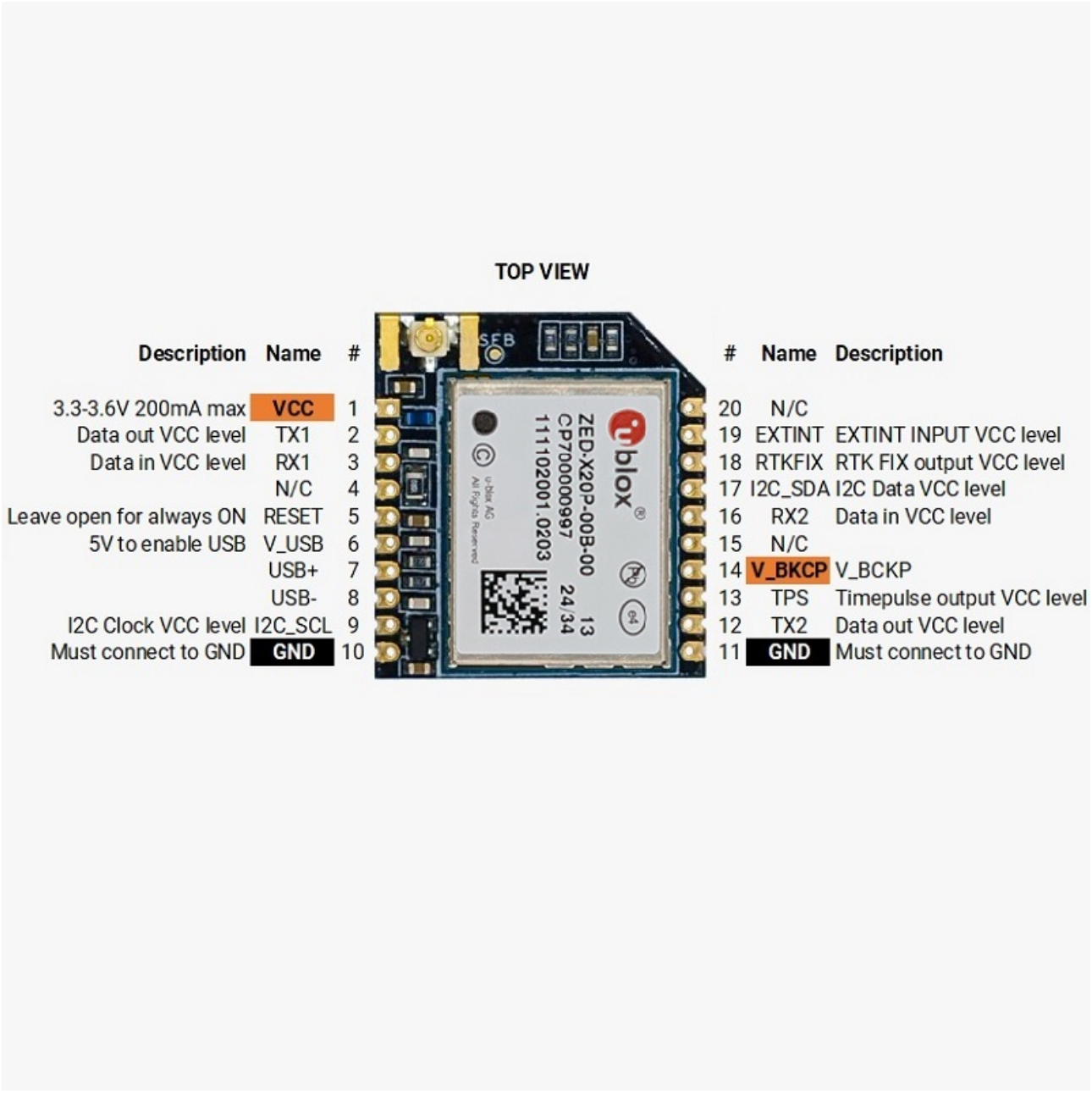
Image Gallery







Pinout



Documentation

Learn how to configure u-blox ZED-X20 boards	https://www.ardusimple.com/how-to-configure-u-blox-zed-x20p/

Micro u-blox ZED-X20P includes free basic technical support. Contact info@ardusimple.com for more information.
Data and descriptions in this document are subject to change without notice. Product photos and pictures are for illustration purposes only and may differ from the real product appearance.