holybro-specification.md

> For the complete documentation index, see llms.txt (https://docs.holybro.com/llms.txt). Markdown versions of documentation pages are available by appending `.md` to page URLs; this page is available as Markdown (https://docs.holybro.com/gps-and-rtk-system/f9p-h-rtk-series/dronecan-f9p/specification.md).

Specification

Hardware Specification

```
| **Product Model**        | &lt;p&gt;&lt;strong&gt;DroneCAN H-RTK F9P&lt;/strong&gt; &lt;br&gt;&lt;strong&g
| ------------------------ | ------------------------------------------------------------------- | ------
| Intended Application     | Rover (aircraft) only                                                | Rover
| GNSS Receiver            | U-blox ZED-F9P high precision GNSS module                            | U-blox
| Antenna                  | Ceramic Patch Antenna with 20dB LNA                                  | Helica
| Processor                | STM32G473                                                            | &lt;p&
| Magnetometer             | BMM150 or IST8310                                                    | BMM150
| GNSS                     | BeiDou, Galileo, GLONASS, GPS / QZSS                                 | BeiDou
| GNSS Band                | B1I, B2I, E1B/C, E5b, L1C/A, L1OF, L2C, L2OF                         | B1I, B
| Positioning accuracy     | 3D FIX: 1.5 m / RTK: 0.01 m                                          | 3D FIX
| Communication Protocol   | DroneCAN 1Mbit/s                                                     | DroneC
| Antennas Peak Gain (MAX) | &lt;p&gt;L1: 4.0dBi &lt;/p&gt;&lt;p&gt;L2:1.0 dBi&lt;/p&gt;
| Time-TO-First Fix        | &lt;p&gt;Cold start: ≤29s &lt;/p&gt;&lt;p&gt;Hot start: ≤1s&lt;/p&gt;
| Navigation Update Rate   | &lt;p&gt;RAW: 20Hz Max&lt;br&gt;RTK: 8Hz Max&lt;/p&gt;
| Cable Length             | 27cm or 50cm                                                         | N/A
| Antenna Connection Type  | N/A                                                                  | &lt;p&
| Working voltage:         | 4.75V\~5.25V                                                         | 4.75V\
| Current Consumption      | \~250mA                                                              | \~250m
| Dimensions               | &lt;p&gt;Diameter: 80mm&lt;br&gt;Height: 20mm&lt;/p&gt;
| Weight                   | 123g                                                                 | 58g
| Operating Temperature    | -20■ to 85■                                                           | -20■
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# Agent Instructions
This documentation is published with GitBook. GitBook is the documentation platform designed so that both hu

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```

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