

Specification & Comparison

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Product Model	H-RTK F9P Rover lite	H-RTK F9P Helical	H-RTK F9P Base
SKU	SKU12017 & SKU12025	SKU12018	SKU12022
Application	Rover (aircraft) only	Rover (aircraft) or base station	Base station only
GNSS	GPS L1C/A GPS L2C GLONASS L1Oz GLONASS L2OFz) BeiDou B1 BeiDou B2Hz) Galileo E1-B/CH Galileo E5b	GPS L1C/A GPS L2C GLONASS L1Oz GLONASS L2OFz) BeiDou B1 BeiDou B2Hz) Galileo E1-B/CH Galileo E5b	GPS L1C/A GPS L2C GLONASS L1Oz GLONASS L2OFz) BeiDou B1 BeiDou B2Hz) Galileo E1-B/CH Galileo E5b
Antennas Peak Gain (MAX)	L1: 4.0dBi L2:1.0 dBi	2dBi	5.5dBi
LNA Gain (typical)	20.5±1dB	33±2dB	40±2dB
Time-TO-First Fix	Cold start:≤29s Hot start:≤1s	Cold start:≤25s Hot start:≤1s	Cold start:≤24s Hot start:≤1s
RTK-SurveyIn-Time	N/A	≤5 minute @2.0mCEP	≤5 minute @1.5mCEP
Data and Update Rate	RAW: 20Hz Max RTK: 8Hz Max	RAW: 20Hz Max RTK: 8Hz Max Moving Base RTK: 5Hz Max	RAW: 20Hz Max RTK: 8Hz Max Moving Base RTK: 5Hz Max
Port	GH1.25 10pin cable or GH1.25 6pin cable	Port 1: GH1.25 10-pin Port 2: USB Type-c Port 3: UART 2 (GH1.25 6pin)	Port 1: GH1.25 10-pin Port 2: USB Type-c Port 3: UART 2 (GH1.25 6pin)

Cable Length	26cm	GH 10P: 150mm GH 10P: 400mm GH 10P to 6P: 300mm	SMA-TNC: 5m
Antenna Connection Type	N/A	Board: SMA female Antenna: SMA male	Board: SMA female Antenna: TNC female Male-male SMA-TNC cable length: 5m (included)
Baud rate:	115200 5Hz (default) can be set	115200 5Hz (default) can be set	115200 5Hz (default) can be set
Working voltage:	4.75V~5.25V	4.75V~5.25V	4.75V~5.25V
Current Consumption	~250mA	~250mA	~250mA
Dimensions	Diameter: 76mm Height: 20mm	Board: 34.8*52.7*12.9mm Antenna Diameter: 27.5mm Antenna height: 59mm	Board: 34.8*52.7*12.9mm Antenna Diameter: 152mm Antenna height: 62.2mm
Weight	106g	49g	469g

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There are two version of [Rover Lite](#) available.

Standard** version** comes with 10 Pin connector for Pixhawk **GPS1** port.
(Connector not compatible with CubePilot)

* **2nd GPS**** version** comes with 8 pin connector for Pixhawk **GPS2** Port or **GPS2** Port on the CubePilot

Comparing F9P to M8P

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