

UAV RELAY RADIO MODULE

AtlasRELAY

BVLOS READY. 10 KM. EIGHT HOURS.

A radio module that sits between the aircraft and the ground station, carrying the link out to 10 km and the footage to more than one screen.

It works the 2.2 – 2.7 GHz command link through a TNC antenna at up to 1 W and hands it to the ground station over 5 GHz Wi-Fi or 100Base-T Ethernet with passive PoE. Its own 37 Wh pack runs it for five to eight hours, and the whole module weighs 800 g.


[VIEW PRODUCT PAGE](#)
10 km

Link range

1 W

Transmit power

5 – 8 h

Battery life

800 g

Weight

IP54

Certified

BVLOS

Flies past the horizon

Placed between the operator and the aircraft, it carries the command link beyond visual line of sight.



RANGE AND CAPACITY

Ten kilometres out

Up to 1 W across 2.2 – 2.7 GHz reaching 10 km line of sight.



SHARE THE FEED

More than one screen

5 GHz Wi-Fi at 150 Mbit/s or a wired 100Base-T port with passive PoE puts the footage on several devices at once.



SECURE LINK

Encrypted, hopping, meshed

WPA3 SAE (CCMP) on the air link, frequency hopping across the band, and AtlasMESH when one hop is not enough.

SPECIFICATIONS

TECHNICAL SPECIFICATIONS

UAV relay radio module

PHYSICAL

Dimensions, without antenna (w × l × h)	88 × 198 × 54 mm
Dimensions, with antenna (w × l × h)	88 × 365 × 54 mm
Antenna (w × l × h)	14.5 × 180 × 14.5 mm
Weight	800 g
Ingress protection	IP54 Certified (IEC 60529)

BATTERY AND POWER

Battery	10 000 mAh 3.7 V (37 Wh) lithium-polymer
Battery life	5 – 8 hours
Charger	100 – 240 V, 50 – 60 Hz
DC input	14 – 30 V barrel jack, 50 W max

OPERATIONAL ENVIRONMENT

Operating temperature	–20 °C to +55 °C (–30 °C to +50 °C optional)
Storage temperature	–20 °C to 45 °C up to 3 months, 25 ±3 °C beyond



RADIO

Operating frequency	2.2 – 2.7 GHz
Transmit power	Up to 1 W (30 dBm)
Antenna options	AAA200000R01, AAA300000R01, AAA500000R01
RF connector	1 × TNC female
Max transmitting distance	Up to 10 km, line of sight
Data encryption	WPA3 SAE (CCMP)

GROUND CONNECTION

Wireless connection	802.11 a/b/g/n, 5 GHz, 150 Mbit/s, WPA2
Wired connection	100Base-T Ethernet (RJ-45), passive PoE

COMPATIBILITY

Supported aircraft	AtlasPRO
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See AtlasRELAY at work

Book a live demonstration or talk to our team about pricing and availability.

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