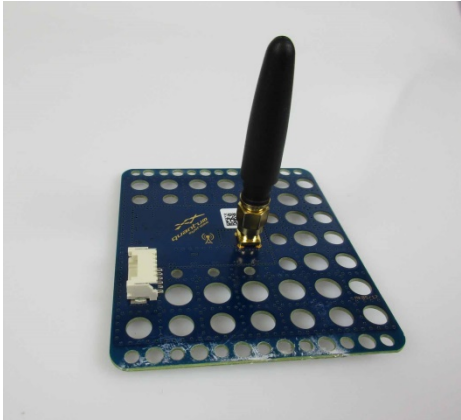


# **MULTIPLEX<sup>®</sup>** Technical Documentation

## **Description QBase Ground- and Air-Modem**

The internal RF-Module in the Ground- and Air-Modem is a HopeRF HM-TRP Series 100mW Transceiver module in the 915MHz band

Differences between the modules:

|              | QBase Ground Modem                                                                  | QBase Air Modem                                                                      |
|--------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Housing      | Plastic housing                                                                     | w/o; RF module on carrier PCB mounted in the UAV                                     |
| Power supply | Via USB                                                                             | Via cable harness                                                                    |
| Interface    | USB-B plug to PC/Laptop                                                             | JST-connector to cable harness Trinity                                               |
| Antenna      | 3.5dBi external helical antenna, SMA with 1m RG174 cable and magnetic base          | 2dBi SMA ½ wave stubby antenna, on carrier PCB                                       |
|              |  |  |

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Documentation