



**Quantech**  
System Worldwide

# Hand -Held Broad band Mesh Radio

Broadband radio adopts new generation technology, can realize radio auto-matic networking, the network have the feature of long range communication, self-healing, high data rate capacity, large network scale, multiple relay hops.

The system does not rely on the communication infrastructure, can realize fast deployment, easy to be integrated with other IP network equipment or system. Suitable for any emergency situation.

## Hand-Held Broadband Mesh Radio

# Technical Data

|                                 |                                                                    |
|---------------------------------|--------------------------------------------------------------------|
| <b>Network Scale :</b>          | Maximum 32 nodes by single frequency                               |
| <b>Frequency :</b>              | Default 1.4 GHz (1360 MHz, 1383 MHz, 1406 MHz, 1430 MHz) 600 MHz   |
| <b>Transmission Power :</b>     | 2 Watt x 2 Channel                                                 |
| <b>Bandwidth Method:</b>        | 2.5/5/10/20 MHz                                                    |
| <b>Modulation Method :</b>      | TD-COFDM+BPSK/QPSK/16QAM/64QAM                                     |
| <b>Communication Distance :</b> | Up to 70 Km - Air to Air LOS<br>Up to 30 Km - Ground to Ground LOS |
| <b>Transmission Delay:</b>      | Single hop 7 ms                                                    |
| <b>Startup Time:</b>            | 10 seconds                                                         |
| <b>Data Interface :</b>         | Network Port X1, Build in wifi hotspot .                           |
| <b>Video Extension:</b>         | HDMI/PAL*/SDI*/CVBS* (*External as required)                       |
| <b>Voice Communication:</b>     | PTT                                                                |
| <b>Power supply:</b>            | 9-15 VDC / 2A                                                      |
| <b>Power consumption:</b>       | 6-18 Watt                                                          |
| <b>Working Time :</b>           | Up to 6 hours                                                      |
| <b>Working Temperature:</b>     | -40 ~ +65 Celcius                                                  |
| <b>Protection:</b>              | IP67                                                               |
| <b>Weight:</b>                  | 0.5 Kg (without battery)<br>0.8 Kg (with battery)                  |
| <b>Dimension:</b>               | 190x67x38 mm (with battery)<br>129x67x38 mm (without battery)      |

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