

# Konet QFPA50/U

Convenient satellite communication  
anytime, anywhere!  
Try it with Mpack.



## Main Features

- Integrated integral ONE BOX antenna.
- Automatic pointing of BUTTON without assembly.
- Patent for manufacturing flat Antenna.
- Remote Control via Smartphone APP.
- Satellite modem, WiFi built-in possible.
- Posses Global DisasterNetwork and Emergency Communications Network Delivery Reference.

## KONET QFPA50/U Specification

|                     |                                                                            |
|---------------------|----------------------------------------------------------------------------|
| Antenna Type        | horn array flat panel satellite antenna                                    |
| Antenna Size        | Redome Cover 510 x 510mm                                                   |
| Frequency           | RX: 12.25 ~ 12.75GHz TX: 14.00 ~ 14.50GHz                                  |
| Gain                | RX: $\geq 36.5\text{dBi}$ TX: $\geq 37.5\text{dBi}$                        |
| G/T                 | $\geq 12.7\text{dB/K@12.75GHz}$                                            |
| Side Lode           | $\leq 22\text{dB}$                                                         |
| Polarization        | Linear polarization                                                        |
| Cross Pol isolation | $\geq 30\text{dB}$ axial direction                                         |
| Pointing Mode       | One button automatic, manually accurate operation                          |
| Alignment accuracy  | $\leq 0.2\text{dB}$                                                        |
| Interface           | Ntype : Tx, Rx port, 10/100Base-T RJ45 : 3port, RS232 : Modem, ACU Console |
| WiFi                | Options : 2.4G, 5G IEEE 80 2.11a/b/g/n/ac                                  |
| Sat Modem           | Options : iDirect, Gilat, UHP VSAT Modem or SCPC Modem                     |
| Terminal LED        | Tx, Rx, Net, Power LED                                                     |
| ACU Control         | Bluetooth Control via smart phone, PC                                      |
| Pointing Time       | $\leq 3$ minutes (from opening the cover to locking in satellite)          |

|                    |                                                                                                                      |
|--------------------|----------------------------------------------------------------------------------------------------------------------|
| Angle Range        | Azimuth : $\pm 90^\circ$ , Elevation : $0^\circ \sim 90^\circ$ , Polarization : $\pm 90^\circ$                       |
| Power Supply       | 110 ~ 220VAC $\pm 10\%$ , 50/60Hz, 24VDC, 110 ~ 220VAC $\pm 10\%$ , 50/60Hz                                          |
| DC INPUT/ OUTPUT   | Vehicle battery usage<br>INPUT : SmartDC Free Volt(9V~40V)<br>OUTPUT : USB 3.0 (2Port)<br>Battery status LCD wondiws |
| Battery Pack       | Mac 260W lithium ion Battery<br>hours of use : 1hours Intenel auto DC Charing                                        |
| Weight/ Dimensions | $\leq 35\text{Kg}$ / 650mm(L) x 580mm(W) x 380mm(H),<br>$\leq 38\text{Kg}$ / 650mm(L) x 580mm(W) x 380mm(H)          |
| Working temp       | $40^\circ\text{C} \sim +55^\circ\text{C}$ , $\leq 98\%$ (KORAS)                                                      |
| Wind               | Wind(Operational) 18m/s, Wind(Survival) 25m/s                                                                        |
| Built-in BUC       | 8/16/40W (Ku Band) (8W BUC Default)                                                                                  |
| Certification      | KC, CE, FCC, UN38.3, TELEC, ISO9001, ISO14001.IP65, KORAS                                                            |
| Carry Box          | ONE BOX                                                                                                              |
| Manufacture        | GLOBAL KONET CO., LTD.                                                                                               |
| Origin             | Made in Korea                                                                                                        |

