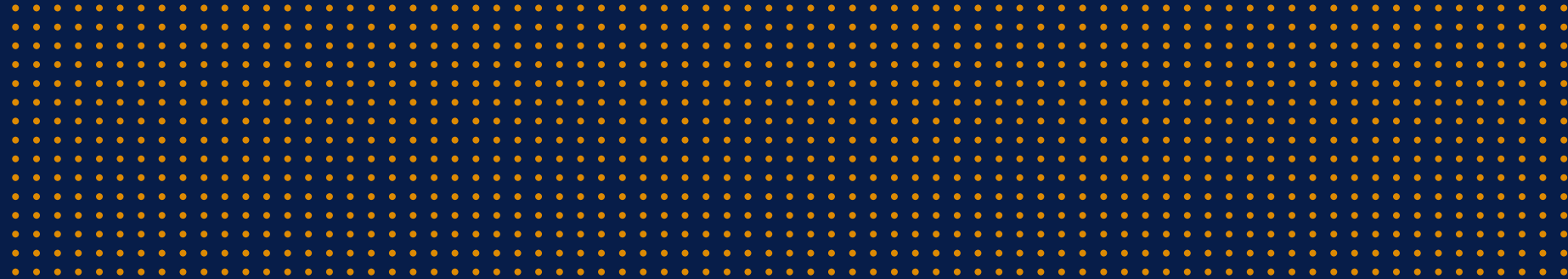
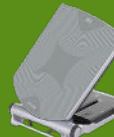


# FlexMove Qualified Terminals



# FlexMove Qualified Terminals for COTP

|                                        | <b>Starwin<br/>FL60P-E<br/>Autopoint</b>  | <b>Starwin<br/>FL30P-E<br/>Autopoint</b>  | <b>Starwin<br/>FL30P-M<br/>Manual</b>  | <b>Satcube<br/>Ku<br/>Manual</b>  |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| <b>Size</b>                            | 650mm W × 680mm D × 240mm H<br>(25.6" W x 27.6" D x 9.5" H)                                                                | 350mm W x 385mm D x 85mm H<br>(13.8" W x 15.1" D x 3.3" H)                                                                   | 266mm W x 350mm D x 467mm H<br>(10.5" W x 13.8" D x 18.4" H)                                                              | 470 mm W × 300mm D × 55mmH<br>(18.5"W x 11.8"D x 2.2" H)                                                             |
| <b>Weight</b>                          | 18 kg (39.6 lbs)                                                                                                           | 6.5 Kg (14.3 lbs) with batteries                                                                                             | 9.6 Kg (21.2 lbs) with batteries                                                                                          | 8 kg (17.6 lbs)                                                                                                      |
| <b>Frequencies</b>                     | Tx 13.75 – 14.50 GHz<br>Rx 10.95 – 12.75 GHz                                                                               | Tx 13.75 – 14.50 GHz<br>Rx 10.70 – 12.75 GHz                                                                                 | Tx 13.75 – 14.50 GHz<br>Rx 10.70 – 12.75 GHz                                                                              | Tx 13.75 – 14.50 GHz<br>Rx 10.95 – 12.75 GHz                                                                         |
| <b>G/T</b>                             | 13.0 dB/K                                                                                                                  | 10dB/K                                                                                                                       | 10dB/K                                                                                                                    | 9.0 dB/K                                                                                                             |
| <b>BUC</b>                             | 6W                                                                                                                         | 16W                                                                                                                          | 16W                                                                                                                       | 50W                                                                                                                  |
| <b>EIRP</b>                            | 43 dBW                                                                                                                     | 44 dBW                                                                                                                       | 44 dBW                                                                                                                    | 46 dBW                                                                                                               |
| <b>Power Consumption</b>               | 85 W (typical)<br>120 W (peak)                                                                                             | 105W (typical)                                                                                                               | 105W (typical)                                                                                                            | 130 W (typical)<br><240 W (peak)                                                                                     |
| <b>Interfaces</b>                      | LAN Port                                                                                                                   | Wi-Fi, LAN, Bluetooth                                                                                                        | Wi-Fi, LAN, Bluetooth                                                                                                     | 2 x LAN, 1 x USB host, Wi-Fi                                                                                         |
| <b>Modem</b>                           | iDirect iQ 200                                                                                                             | iDirect iQ 200                                                                                                               | iDirect iQ 200                                                                                                            | iDirect iQ 200                                                                                                       |
| <b>Input Power</b>                     | AC 90-264 V<br>(DC 24 V ±5% Optional)                                                                                      | DC 24V ±5% (with AC adapter), 2<br>external batteries 187.2WH                                                                | DC 24V ±5% (with AC adapter), 2<br>external batteries 187.2WH                                                             | 100 – 240 VAC, 47 – 63 Hz, 150<br>W                                                                                  |
| <b>Temperature</b>                     | -25° to +50° C (-13° to 122° F)                                                                                            | -25°C ~ +50°C                                                                                                                | -25°C ~ +50°C                                                                                                             | -20° to +50° C (-4° to 122° F)                                                                                       |
| <b>Wind</b>                            | 13.5m/s, 49km/h, 30mph                                                                                                     | 17m/s, 61km/h, 38mph                                                                                                         | 17m/s, 61km/h, 38mph                                                                                                      | Up to 18m/s, 40mph                                                                                                   |
| <b>Ingress</b>                         | IP66                                                                                                                       | IP67                                                                                                                         | IP66                                                                                                                      | IP65                                                                                                                 |
| <b>Certifications &amp; Compliance</b> | FCC, CE, ANATEL                                                                                                            | FCC, CE, ANATEL                                                                                                              | FCC, CE, ANATEL                                                                                                           | FCC, CE (RED directive<br>(2014/53/UE), EN 301 428                                                                   |

# FlexMove Qualified Terminals

## COTP

|                   | Intelsat Portable 30<br>I-FM30PM                              |
|-------------------|---------------------------------------------------------------|
| Size              | 266mm W x 350mm D x 467mm H<br>(10.5" W x 13.8" D x 18.4" H)  |
| Weight            | 9.6 Kg (21.2 lbs) with batteries                              |
| Frequencies       | Tx 13.75 – 14.50 GHz<br>Rx 10.70 – 12.75 GHz                  |
| G/T               | 10dB/K                                                        |
| BUC               | 16W                                                           |
| EIRP              | 44 dBW                                                        |
| Power Consumption | 105W (typical)                                                |
| Interfaces        | Wi-Fi, LAN, Bluetooth                                         |
| Modem             | iDirect iQ 200                                                |
| Input Power       | DC 24V ±5% (with AC adapter), 2<br>external batteries 187.2WH |
| Temperature       | -25°C ~ +50°C<br>(operational)                                |
| Wind              | 17m/s, 61km/h, 38mph                                          |
| Ingress           | IP66                                                          |
| Certifications    | FCC, CE, ANATEL                                               |

## COTM

| Kymeta<br>u8 (ESA)  | Starwin<br>OTM45  |
|--------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| L 89.5 cm × W 89.5 cm × H 14 cm<br>L 35.2" x W 35.2" x H 5.5"                                          | L 97.5 x W 78.5 × H 24.8 cm<br>L 38.4" x W 30.9" x H 9.7"                                            |
| 34 kg (75 lbs)                                                                                         | 26 kg (57.3 lbs) w/mounting plate                                                                    |
| Tx 13.75 – 14.5 GHz<br>Rx 10.7 – 12.75 GHz                                                             | Tx 13.75 - 14.5 GHz<br>Rx 10.70 - 12.75 GHz                                                          |
| 11.5 dB/K                                                                                              | 11 dB/K                                                                                              |
| 20W                                                                                                    | 8W                                                                                                   |
| 46.5 dBW                                                                                               | 42 dBW                                                                                               |
| 150 W (typical)<br>510 W (peak)                                                                        | <=205 W (average)<br><=255 W (peak)                                                                  |
| Ethernet, Wi-Fi, multi-WAN device                                                                      | WiFi 801.11n                                                                                         |
| iDirect iQ 200, optional Global LTE                                                                    | iDirect iQ 200, optional Global 5G and LTE                                                           |
| 12 VDC to 36 VDC max<br>110 VAC to 240 VAC, 50/60 Hz                                                   | AC96~265V/50Hz<br>DC10~26V                                                                           |
| -40° to +70° C (operational)<br>-40° to +85° C (storage)                                               | -40°C to +50°C (operational)<br>-40° to +80° C (storage)                                             |
| Operational 40-120 mph at 0-30°                                                                        | Max 380km/h, 236mph                                                                                  |
| IP66                                                                                                   | IP66                                                                                                 |
| FCC, CE, Nemko, WEEE, ROHS, RCM,<br>ETS 300 019, MIL-STD-810G                                          | FCC, CE, RCM, Anatel                                                                                 |

# FlexMove Qualified Terminals - Global Government

|                   | L3 Shadow                                                                         | Paradigm Swarm                                                                            |
|-------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
|                   |  |        |
| Size              | H 42.2 cm x W 29.7 cm x D 11.43 cm                                                | 45 cm Flat Panel                                                                          |
| Weight            | 12 kg (26.5 lbs)                                                                  | 6.5 kg (14.3 lbs)                                                                         |
| BUC               | 13 W                                                                              | 16 W                                                                                      |
| Frequencies       | Tx 13.75 – 14.50 GHz<br>Rx 10.95 – 12.75 GHz                                      | Tx 13.65 – 14.50 GHz<br>Rx 10.70 – 12.75 GHz                                              |
| Polarization      | Linear                                                                            | Dual Linear                                                                               |
| EIRP              | 43 dBW                                                                            | 44 dBW                                                                                    |
| G/T               | 8.0 dB/K                                                                          | ≥10dB/K(25°C)                                                                             |
| Power Consumption | 225 W                                                                             | 150 W                                                                                     |
| Network Interface | 2 x LAN, 1 x USB, Wi-Fi                                                           | LAN Port, Built in WiFi and Bluetooth function                                            |
| Satellite Modem   | iDirect 950MP                                                                     | iDirect iQ 200                                                                            |
| Input Power       | AC 90-264 V (DC 10-3 V)                                                           | DC 10~24V ±5% (with AC adapter),<br>External battery 187.2WH (Working time up to 2 hours) |
| Certifications    | FCC, CE                                                                           | FCC, CE                                                                                   |
| Temperature       | -32° to +50° C (operational)                                                      | 25° to +50° C (-13° to 122° F) (operational)                                              |