

# M990



| Type                  | Parameter Item                                                           | Specification                                                                                                                                                          |
|-----------------------|--------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mechanical Properties | Model No.                                                                | M990(U)                                                                                                                                                                |
|                       | Dimension                                                                | 199(L) x 135(W) x 72(H) mm                                                                                                                                             |
|                       | Weight                                                                   | 882g                                                                                                                                                                   |
|                       | Working Temperature                                                      | -30°C to +85°C                                                                                                                                                         |
| Basic Parameter       | Working Voltage                                                          | 9V ~ 24V(Standard 13.8V)                                                                                                                                               |
|                       | Working Current                                                          | 500mA @ LTE<br>300mA @ WCDMA<br>220mA @ GSM                                                                                                                            |
|                       | Peak Current                                                             | 1A                                                                                                                                                                     |
| RF Parameter          | LTE FDD<br>(Have multiple versions of LTE Bands for different countries) | Band 2:1900MHz Band 4:1700MHz<br>Band 5:850MHz Band 12:700MHz<br>Band 17:700MHz                                                                                        |
|                       | WCDMA                                                                    | Band2 : 1900M Band5 : 850M                                                                                                                                             |
|                       | GSM                                                                      | GSM/GPRS : 900M /1800M                                                                                                                                                 |
|                       | Maximum Output power                                                     | LTE: 23±2.7dBm(Power Class 3)<br>WCDMA: 24 +1/-3dBm (Power Class 3)<br>GSM850/900: 33±2dBm(Power Class 4)<br>GSM1800/1900: 30±2dBm(Power Class 1)                      |
|                       | Receiving Sensitivity                                                    | WCDMA 900 : ≤-108 dBm;<br>WCDMA 2100 : ≤-109 dBm;<br>GSM850 /900 /1800 /1900 : ≤-106 dBm;                                                                              |
| GPS                   | GPS                                                                      | GPS Positioning, 1.57542GHz;                                                                                                                                           |
|                       | Sensitivity                                                              | Catch -144dBm, Track -159dBm;                                                                                                                                          |
| Technology Standard   | Data Speed Rate                                                          | GSM CS : UL 9.6kbps / DL 9.6kbps<br>GPRS : Multi-slot Class 10<br>EDGE : Multi-slot Class 12<br>WCDMA CS : UL 64kbps / DL 64kbps<br>WCDMA PS : UL 384kbps / DL 384kbps |
|                       | Protocol                                                                 | HSDPA / WCDMA / EDGE / GPRS / GSM                                                                                                                                      |