

## GS300 Technical Data Sheet

| Item                                 | Description                           | Detail                    |
|--------------------------------------|---------------------------------------|---------------------------|
| Electrical characteristics           | Power supply                          | Battery powered           |
|                                      | charging method                       | Not rechargeable          |
|                                      | Working voltage                       | 3.0V-3.8V                 |
|                                      | Sleep current                         | 88μA                      |
|                                      | Built-in battery capacity             | 7800mAh                   |
| Environmental characteristics        | Working temperature                   | -20°C - 70°C              |
|                                      | Storage temperature                   | -30°C - 80°C              |
|                                      | Working humidity                      | 10%-85% RH non-condensing |
| Communication characteristics        | Frequency                             | 4G                        |
|                                      | SIM Card                              | Nano SIM Card             |
|                                      | Communication antenna                 | Built-in antenna          |
|                                      | Antenna specifications                | FPC antenna               |
| GPS / BD positioning characteristics | Positioning module brand / chip model | Quectel L76K              |
|                                      | Positioning method                    | GPS+BDS+GLONASS           |
|                                      | Cold start time                       | Average 35 seconds        |
|                                      | Hot start time                        | Average 1 seconds         |
|                                      | Tracking sensitivity                  | -162 dBm                  |
|                                      | GPS Sensitivity                       | -147 dBm                  |
|                                      | Positioning antenna                   | Built-in antenna          |
|                                      | Antenna specifications                | 18mm * 18mm * 4mm         |
|                                      | Channel                               | 32                        |
|                                      | Positioning accuracy                  | ≤5m                       |
| External interface                   | Built-in switch                       | 1 way                     |
|                                      | USB debugging interface               | 1 way                     |
|                                      | Light sensor                          | 1 way                     |
| Form factor                          | Host size (length, width, height)     | 138(L)*72(W)*22mm(H)      |
|                                      | Shell material                        | ABS                       |
|                                      | IP protection level                   | IP68                      |
|                                      | Host weight                           | 205g                      |