# S101TG-GCS

# 10.1" Intel® Tiger Lake Rugged Ground Control Station



#### **KEY FEATURES**

- Low Latency video SW decoder for real-time high-resolution video viewing
- All-weather, dust, and water-resistant design (IP65). MIL-grade drop, Shock and vibration
- Supports optional WIFI, BT and 4G/5G
- Embedded TPM IC and Optional OPAL SSD
- With dual antennas, providing improved wireless connectivity and stability Ground Control Station
- With a removable second battery and a battery life of over 10 hours is a must-have tool for serious UAV pilots



#### **SPECIFICATIONS**

| Display                |  |                          |   |
|------------------------|--|--------------------------|---|
| Resolution             | 1920x1200  | Size                     | 10.1 inches   |
| Contrast Ratio         | 800:1  | Panel Brightness         | 800 nits  |
| View Angles            | 85,85,85,85  | Bonding                  | Optical Bonding for Sunlight Viewability              |
| Туре                   | Projected Capacitive Multi Touch   | Viewability              | Anti-Glare touch treatment                            |
| Touch Mode             | Support Hand / Gloves and Rain Mode  |                          |   |
| System Specificat      | ion  |                          |   |
| Processor              | Intel Core i51135G7 2.4GHz (up to 4.2GHz)<br>Intel Core i3/i7 Processor (Optional)           | Memory                   | 4GB SDRAM, up to 32GB SDRAM (Optional)                |
| Storage                | 128GB SSD, up to 2TB SSD (Optional)  | Security                 | Trusted Platform Module (TPM) 2.0<br>Kensington Lock  |
| Operating System       | Windows 10 IoT Enterprise LTSC (64 bit)<br>Windows 11 IoT Enterprise SAC (64 bit) (Optional) | WLAN                     | Support   |
| ВТ                     | Support  | WWAN                     | 4G LTE (Optional)                                     |
| GNSS                   | GPS, GLONASS   | Sensors                  | Light sensor/ G-sensor / Gyro                         |
| Camera                 |  |                          |   |
| Front Camera           | 2MP Front Camera   | Rear Camera              | 8MP Rear Camera with auto-focus and LED light         |
| Mechanical             |  |                          |   |
| Dimension              | 366 x 219 x 49.5 mm  | Cooling System           | Fan Design  |
| IO Ports               |  |                          |   |
| USB Port               | 1 x USB 2.0  | Video                    | 1 x HDMI output                                       |
| Audio                  | 1x Speaker   |                          |   |
| Environment            |  |                          |   |
| Operating Humidity     | 10% to 90% RH, non-condensing  | Operating<br>Temperature | -20°C to 60°C (AC mode), -10°C to 50°C (Battery mode) |
| Storage<br>Temperature | -30°C to 70°C (-22°F to 158°F)   | Shock                    | MIL-STD-810H Method 516.8 Procedure I                 |
| Vibration              | MIL-STD-810H Method 514.8 Procedure I  | IP rating                | IP65  |
| Certification          |  |                          |   |
| Certification          | CE, FCC  |                          |   |

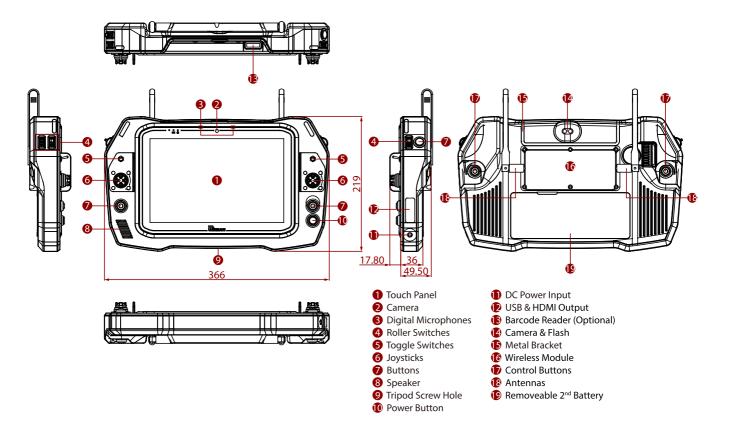
| Security Function  |  |                           |   |  |  |
|--------------------|--|---------------------------|---|--|--|
| SOTI MobiControl   | SOTI MobiControl Compliance  | Kensington Lock           | Kensington Lock Support                         |  |  |
| Control            |  |                           |   |  |  |
| Button             | Left Side:  1x joystick  2x roller switch  1x 2 band toggle switch  1x control button (rear side)  Right Side:  1x joystick  1x roller switch  1x camera button  1x power button  1x 2 band toggle switch  1x button (front side)  1x control button (rear side) |                           |   |  |  |
| Power              |  |                           |   |  |  |
| Battery            | 11.4V, typ. 3500 mAh Lilon Rechargeable<br>Internal Battery (3S1P)<br>11.4V, typ. 3500 mAh Lilon Rechargeable<br>Secondary Battery (3S1P)  | Battery Operating<br>Time | Standard. Battery: 10 hours                     |  |  |
| Power Rating       | 19V DC   | Adapter                   | 100-240V, 50-60Hz / 19V DC                      |  |  |
| Accessory          |  |                           |   |  |  |
| Accessory          | Adapter and Power Cord   | Optional Accessory        | Battery Charger (Optional)<br>Stylus (Optional) |  |  |
| Communication Link |  |                           |   |  |  |
| Antenna            | 2x 3dBi Antennas   | Frequency                 | 2.4GHz  |  |  |

### **DIMENSIONS**

**Output Power** 

UNIT:MM

1W, Adjustable



## **NOTE**

- 1. This is a simplified drawing and some components are not marked in detail.
- 2.Please contact our sales representative if you need further product information.
- 3.All specifications are subject to change without prior notice.
- 4. The product shown in this datasheet is a standard model. For diagrams that contain customized or optional I/O, please contact the Winmate Sales Team for more information.

