

# G101TG

## 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			
<b>Resolution</b>	1920x1200	<b>Size</b>	10.1 inches
<b>Contrast Ratio</b>	800:1	<b>Panel Brightness</b>	800.0 nits
<b>View Angles</b>	85,85,85,85	<b>Bonding</b>	Optical Bonding for Sunlight Viewability
<b>Type</b>	Projected Capacitive Multi Touch	<b>Viewability</b>	Anti-Glare touch treatment
<b>Touch Mode</b>	Support Hand / Gloves and Rain Mode		
System Specification			
<b>Processor</b>	Intel Core i51135G7 2.4GHz (up to 4.2GHz) Intel Core i3/i7 Processor (Optional)	<b>Memory</b>	4GB SDRAM, up to 32GB SDRAM (Optional)
<b>Storage</b>	128GB SSD, up to 2TB SSD (Optional)	<b>Security</b>	Trusted Platform Module (TPM) 2.0 Kensington Lock
<b>Operating System</b>	Windows 10 IoT Enterprise LTSC (64 bit) Windows 11 IoT Enterprise SAC (64 bit) (Optional) Linux Ubuntu 22.04 (Optional)	<b>WLAN</b>	Support (Optional)
<b>BT</b>	Support (Optional)	<b>WWAN</b>	4G LTE (Optional)
<b>GNSS</b>	GPS, GLONASS (Optional)	<b>Sensors</b>	Light sensor/ G-sensor / Gyro
Camera			
<b>Front Camera</b>	2MP Front Camera	<b>Rear Camera</b>	8MP Rear Camera with auto-focus and LED light
Mechanical			
<b>Dimension</b>	366 x 219 x 49.5 mm	<b>Cooling System</b>	Fan Design
IO Ports			
<b>USB Port</b>	1 x USB 2.0	<b>Video</b>	1 x HDMI output
<b>Audio</b>	1x Speaker		
Environment			
<b>Operating Humidity</b>	10% to 90% RH, non-condensing	<b>Operating Temperature</b>	-20°C to 60°C (AC mode), -10°C to 50°C (Battery mode)
<b>Storage Temperature</b>	-30°C to 70°C (-22°F to 158°F)	<b>Shock</b>	MIL-STD-810H Method 516.8 Procedure I
<b>Vibration</b>	MIL-STD-810H Method 514.8 Procedure I	<b>IP rating</b>	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  
4x button (front side)  
1x control button (rear side)

Right Side:  
1x joystick  
1x roller switch  
5x button (front side)  
1x power button  
1x 2 band toggle switch  
1x control button (rear side)

### Power

**Battery**

11.4V, typ. 3500 mAh Lilon Rechargeable Internal Battery (3S1P)  
11.4V, typ. 3500 mAh Lilon Rechargeable Secondary Battery (3S1P)

**Power Rating** 19V DC

**Adapter** 100-240V, 50-60Hz / 19V DC

### Accessory

**Accessory** Adapter and Power Cord

**Optional Accessory** Battery Charger (Optional)  
Stylus (Optional)

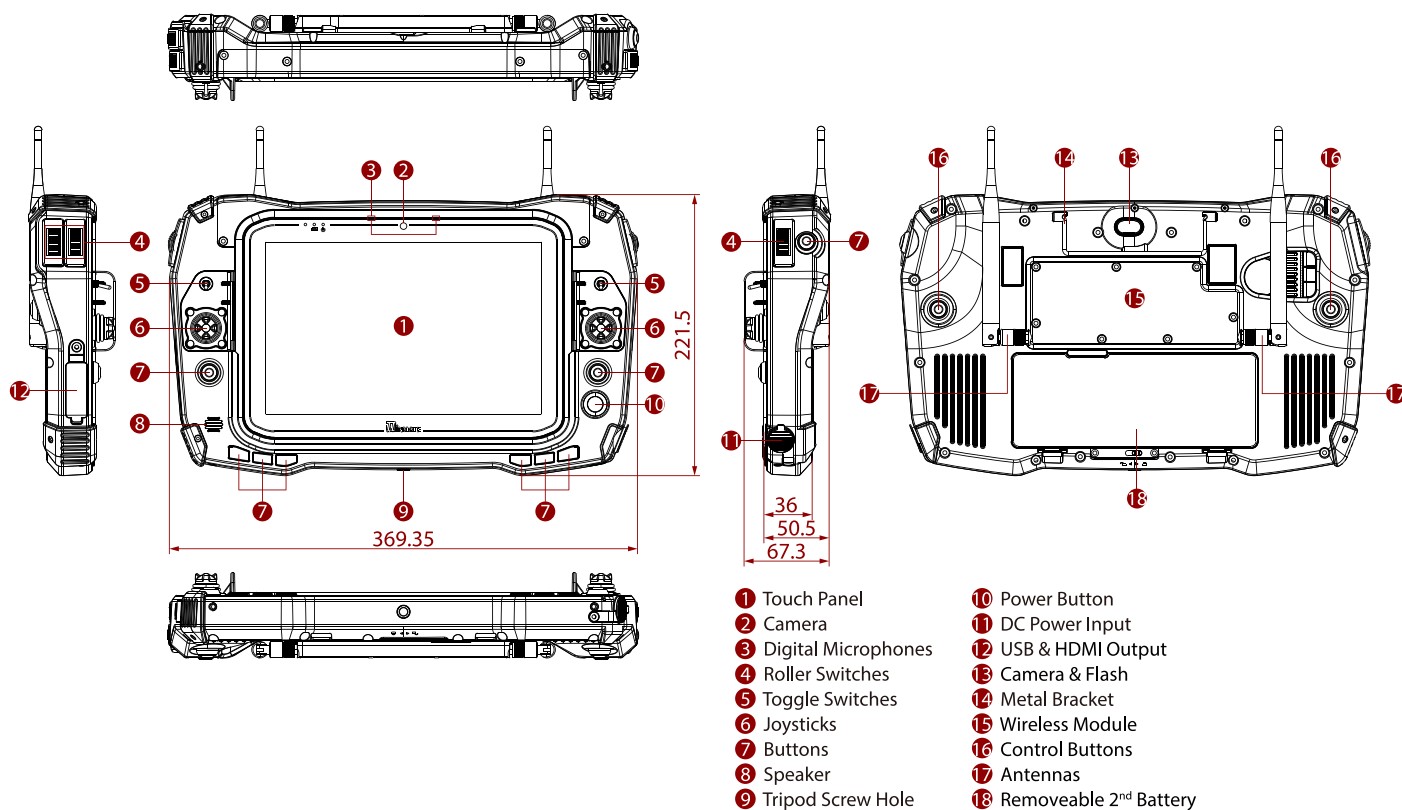
### Communication Link

**Antenna** 2x 3dBi Antennas

**Frequency** 2.4GHz

**Output Power** 1W, Adjustable

## DIMENSIONS UNIT:MM



## 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.