



G101TG 10.1" Intel(R) Tiger Lake Rugged Robotic Controller

Manufacturer part number: G101TG | Ground Control Station



Explore Winmate G101TG, an industrial computer solution featuring 10.1-inch form factor, IP65 for defense operations and field command.

Display	
Size	10.1 inches
Type	Projected Capacitive Multi Touch
Resolution	1920x1200
Panel Brightness	800 nits(Default), 1200 (Optional)
Contrast Ratio	800:1
View Angles	85,85,85,85
Bonding	Optical Bonding for Sunlight Viewability
Viewability	Anti-Glare touch treatment
Touch Mode	Support Hand/Rain, Stylus, Glove Mode
System Specification	
Processor	Intel Core i5-1135G7 2.4GHz (up to 4.2GHz), Intel Core i3/i7 Processor (Optional)
Memory	8GB , up to 32GB (Optional)
Storage	1 x M.2 M-Key 2280 NVMe 128GB SSD, up to 2TB SSD (Optional)
Security	Trusted Platform Module (TPM) 2.0
Operating System	Windows 10 IoT Enterprise LTSC (64 bit) (Default), Windows 11 IoT Enterprise SAC (64 bit) (Optional), Linux Ubuntu 22.04 (Optional)
WLAN	Support
BT	Support
WWAN	4G LTE (Optional), 5G (Optional)
GNSS	GPS/GLONASS
Sensors	Light sensor
Camera	
Front Camera	2MP Front Camera
Mechanical	
Dimension	369.35 x 221.5 x 67.3 mm
Weight	2.4kg
Cooling System	Fan Design

IO Ports	
USB Port	1 x USB 2.0
LAN	1 x M8 LAN Connector (10/100 Mbps , Max to 250 Mbps), 1 x M10 Push Pull Connector (optional), (Mutually exclusive with RF Module)
Video	2 x micro HDMI output(Optional)
Audio	1x Speaker
SD Card Slot	1 x Micro SD Card Slot (Max to 2TB)
Environment	
Operating Humidity	10% to 90% RH, non-condensing
Operating Temperature	-20 deg C to 60 deg C (AC mode), -10 deg C to 50 deg C (Battery mode)
Storage Temperature	-30 deg C to 70 deg C (-22 deg F to 158 deg 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
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 Li-Ion Rechargeable, Internal Battery (3S1P) , 11.4V, typ. 3500 mAh Li-Ion Rechargeable, Secondary Battery (3S1P)
Power Rating	19V DC
Adapter	100-240V, 50-60Hz / 19V DC
Accessory	
Accessory	1 x Adapter and Power Cord, 1 x M8 LAN external cable, 1 x M12 Power Adapter, 1 x Standard Battery
Optional Accessory	Battery Charger (Optional), Shoulder Strap(Optional), High Capacity Battery (optional), M10 Push Pull Connector (optional)