



G500G7 5.5" ARM A78 + A55 Rugged Robotic Controller

Manufacturer part number: G500G7 | Ground Control Station



Explore Winmate G500G7, an industrial computer solution featuring 5.5-inch display with 1920x1080 resolution, IP65 for defense operations and field command.

Display	
Size	5.5 inches
Resolution	1920x1080
Type	Projected Capacitive Multi Touch
Panel Brightness	1000.0 nits
Contrast Ratio	1000:1
View Angles	80,80,80,80
Bonding	Optical Bonding for Sunlight Viewability
Viewability	Anti-Reflection&Anti-Fingerprint
Touch Mode	Support Hand / Gloves and Rain Mode
System Specification	
Processor	Genio 510 2 x A78 2.0GHz + 4 x A55 2.0GHz
Memory	4GB
Storage	64GB
Operating System	Android 13.0
WLAN	Support
BT	Support
Sensors	Light Sensor
Mechanical	
Dimension	204.2 x 135.1 x 46 mm
Weight	612g (One Battery Pack), 682g (Two Battery Pack)
Cooling System	Fanless Design
IO Ports	
USB Port	1 x USB 3.0 (Type C,with PD) , 1 x USB 3.0 (Type C with ALT Mode)
LAN	1 x M10 LAN Connector (10/100 Mbps , Max to 250 Mbps)
Video	1 x micro HDMI output(Optional)
Audio	2x Speaker

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	2 x Hall-effect Joysticks (Full self-centering; optional non-centering throttle axis), 7 x Momentary Push Buttons, 2 x Hall-effect Roller Switches
Power	
Battery	Standard:One Battery Pack 7.4V, typ. 3200mAh Rechargeable Li-Ion Battery (2S1P) , Optional:Two Battery Pack 7.4V , typ. 6400mAh Rechargeable Lilon Battery (2S2P)
Battery Operating Time	One Battery Pack: 8hrs, Two Battery Pack: 16hrs (optional)
Power Rating	20V DC
Adapter	100-240V, 50-60Hz / 20V DC
Accessory	
Accessory	1 x 65W Adapter and Power Cord, 1 x M10 LAN external cable(2M), 2 x Antenna (optional for RF module)
Optional Accessory	Shoulder Strap(Optional), Microhard 2450 (Optional)