



# GCS2

## RUGGED GROUND CONTROL TABLET SYSTEM

## GROUND CONTROL TABLET SYSTEM

CP Technologies' GCS2 series ground control systems provide a platform for versatile, high-speed processing capabilities in a rugged handheld tablet system. Offered with minimized (GCS2-M) and advanced control layouts (GCS2-G), these high-performance tablet systems are the ideal solution for a mobile and versatile ground station application while out in harsh, real-world environments. The combination of the ultra portable form factor and incredible processing power allow the GCS2 to have an excellent balance of SWaP (Size, Weight and Power). The systems can be customized to meet the specific needs of the operators with optional inputs including CANBUS, USB, RS-232, GPS and more for a capable all-in-one mobile solution. High-quality military-grade components are used throughout to maintain the highest MTBF's. Our rugged GCS systems are built to be intuitive to use while meeting MIL-STD's to survive in the toughest deployable environments.



## Who We Are

CP Technologies designs, fabricates and integrates standard and customized high-performance computing platforms and LCD monitors for military, industry, and commercial applications.

Using COTS components, CP Technologies provides solutions for customers who need reliable systems that will operate in a variety of harsh conditions and who require revision control and hardware consistency for multi-year programs.

CP Technologies is an ITAR Registered and ISO 9001:2015 Certified business that has been operating in Southern California for over twenty years.

**Assembled in the USA**  
**ISO 9001:2015 Certified**  
**ITAR Registered**

**CP Technologies**  
2620 Deep Well Ranch Rd  
Prescott, AZ 86301  
combatproven.tech  
858.571.4330



# GCS2

## RUGGED GROUND CONTROL TABLET SYSTEM

### TECHNICAL SPECIFICATIONS

<b>OPERATION SYSTEM</b>	Windows 10 Pro 64-bit	<b>TEMPERATURE</b>	MIL-STD-810G Method 501.5 & 502.5 -20° to 140° F Operating -60° to 160° F Non-Operating
<b>CPU</b>	Intel Core i5-7Y57(GCS2-M) Intel Core i5-7300U(GCS2-G)	<b>HUMIDITY</b>	MIL-STD-810G Method 507.5
<b>STORAGE</b>	Up to 1TB SSD	<b>VIBRATION</b>	MIL-STD-810G Method 514.6
<b>MEMORY</b>	8GB LPDDR3	<b>SHOCK</b>	MIL-STD-810G Method 516-6
<b>INTERFACES</b>	Power In - D38999/20WB35S Gigabit Ethernet - D38999/20WA98P USB 2.0 - D38999/20WB35S VGA - D38999/20WC35S (GCS2-G Only)	<b>EMI/RFI</b>	MIL-STD-461F
<b>POWER SUPPLY</b>	Input - 16VDC (GCS2-M), 16-32VDC (GCS2-G)	<b>INGRESS</b>	IP65
<b>DIMENSIONS/WEIGHT</b>	GCS2-M - 135mm x 250mm x 40mm   1.7kg GCS2-G - 240mm x 480mm x 110mm   2.0kg	<b>CHASSIS</b>	Aluminum
<b>COLOR</b>	Black anodized, other options available	<b>CONNECTORS</b>	MIL-STD-D38999
<b>OPTIONS</b>	Ublox GPS with TNC connector CANBUS RS-232 RS-170 x2 inputs USB 2.0 x2 and x4 options available Integrated Data Link (GCS2-M only)		

#### QUESTIONS?

Reach out to us at  
combatproven.tech  
or call 858.571.4330

#### ENGINEERED TO YOUR SPECIFICATIONS

- In-house engineering department
- Design and build of rapid prototypes. Experience with solving difficult customer application problems through knowledge of the industry and custom system design and manufacturing capability
- Our Engineers use Solid Works 3D CAD modeling software for mechanical design and thermal simulation
- Design experience with MIL-STD-167, MIL-STD-461, MIL-STD-810, and MIL-S-901, in addition to FCC, UL, CE, and country specific agency requirements

#### REVISION CONTROL & CONFIGURATION MANAGEMENT

- Our Program Managers will assure your products are revision controlled for the life of the program
- Configuration Management to assure TAA Compliance and system compatibility
- One part number for life of the program
- Counterfeit and obsolescence management

#### FACILITY AND TEST

- All integration work is performed in a state-of-the-art, ESD-controlled facility
- Our facility has 23,000 sqft and has dedicated 12,000 sqft to manufacturing and 3,000 sqft to engineering
- Operate to anti-static standard ANSI/ESD S20.20-2007 and electronics assembly standard IPC-A-610, Revision E-2010

#### QUALITY COUNTS

- ISO 9001:2015 Certified
- 100% system inspection before shipment
- All integrated systems undergo a minimum 24-hour system test and burn-in before shipment to the customer
- Assistance with 3rd party verification of system specifications
- 5-year warranty on all servers and 3-year warranty on LCD monitor products
- TAA compliant
- Built in the USA

**CP Technologies**  
2620 Deep Well Ranch Rd  
Prescott, AZ 86301