



GCS2

RUGGED GROUND CONTROL TABLET SYSTEM

GROUND CONTROL TABLET SYSTEM

CP North America's 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 North America designs, fabricates, and integrates standard and customized high-performance computing platforms and LCD monitors for military, industrial, and commercial applications.

Using COTS components, CP North America 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 North America is an ITAR Registered and ISO 9001:2015 Certified business that has been operating for over twenty years.

Assembled in the USA
ISO 9001:2015 Certified
ITAR Registered

CP North America
2620 Deep Well Ranch Rd
Prescott, AZ 86301
cpna.tech
858.571.4330



GCS2

RUGGED GROUND CONTROL TABLET SYSTEM

TECHNICAL SPECIFICATIONS

OPERATION SYSTEM	Windows 10 Pro 64-bit	TEMPERATURE	MIL-STD-810G Method 501.5 & 502.5 -20° to 140° F Operating -60° to 160° F Non-Operating
CPU	Intel Core i5-7Y57(GCS2-M) Intel Core i5-7300U(GCS2-G)	HUMIDITY	MIL-STD-810G Method 507.5
STORAGE	Up to 1TB SSD	VIBRATION	MIL-STD-810G Method 514.6
MEMORY	8GB LPDDR3	SHOCK	MIL-STD-810G Method 516-6
INTERFACES	Power In - D38999/20WB35S Gigabit Ethernet - D38999/20WA98P USB 2.0 - D38999/20WB35S VGA - D38999/20WC35S (GCS2-G Only)	EMI/RFI	MIL-STD-461F
POWER SUPPLY	Input - 16VDC (GCS2-M), 16-32VDC (GCS2-G)	INGRESS	IP65
DIMENSIONS/WEIGHT	GCS2-M - 135mm x 250mm x 40mm 1.7kg GCS2-G - 240mm x 480mm x 110mm 2.0kg	CHASSIS	Aluminum
COLOR	Black anodized, other options available	CONNECTORS	MIL-STD-D38999
OPTIONS	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
cpna.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 rigorous system test and burn-in before shipment to the customer
- 5-year warranty on all servers and 3-year warranty on LCD monitor products
- TAA compliant
- Built in the USA

CP North America
2620 Deep Well Ranch Rd
Prescott, AZ 86301