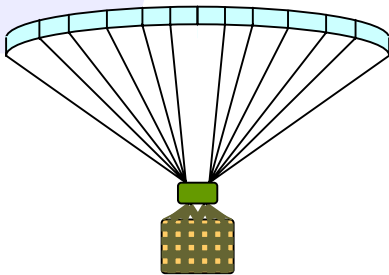
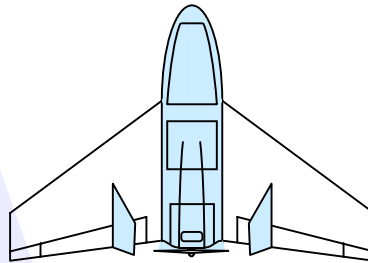
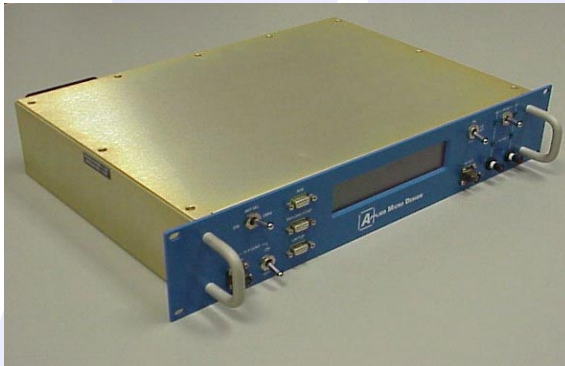




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GROUND CONTROL STATION MODEL 01002

- **32-bit Processor Board**
- **Flight & Payload interface**
- **Boot-loader for Firmware upgrades**
- **12 volts DC or 110 volts AC**



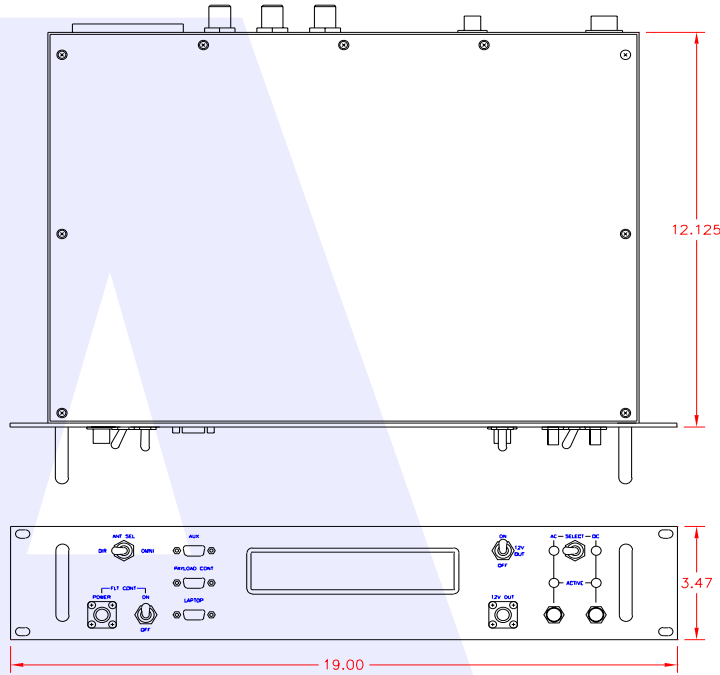
The Ground Control Station provides a command uplink and telemetry downlink, for use with various UAV's and payloads. Uplink messages are derived from a flight controller, payload controller, or laptop computer. This allows for in-flight reprogramming of waypoints and system gains. Downlink messages are output to a laptop for moving-map and instrument displays. A panel-mounted LCD displays aircraft flight and position information as a backup to the laptop, or for stand-alone operation. The unit is available in portable and rack-mount configurations.



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SPECIFICATIONS

Hardware Specifications

- 32-bit processor board
- 32K program memory
- 5 Bi-directional serial ports

System Features

- Boot-loader for firmware upgrades
- Various radio configurations
- Interfaces to laptop for graphics display
- Panel mounted alpha-numeric display

Firmware Functions

- Flight controller interface
- Payload controller interface
- Command uplink/telemetry downlink

System Specifications

- Size: 19" x 3.5" x 15"
- Weight: 10.5 lbs.
- Power: 12 volts DC or 110 volts AC

Applied Micro Design is an engineering company providing product and services to both government and private industry. Our staff has expertise in the hardware and firmware design of microprocessor-based systems, RF circuit design, analog and digital design, and computer applications programming. All work is done in house, at our ISO 9001:2000 registered facility.

We design, develop, and manufacture high performance, cost effective autopilots for small Unmanned Aerial Vehicles. We also provide a wide range of products, services and systems, including harnesses, radios for command and telemetry applications, low-noise amplifiers, and Ground Control Stations.



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