# Cloud Cap Technology Piccolo Autopilot System

## Component Weights

### Air System
- **Pitot Tube Kit**, carbon fiber tube, reducer fittings, mounting hardware - 75 g
- **Static Tube Kit**, stainless steel tube, reducer fittings, mounting hardware - 74 g
- **Combined Tube Kit**, carbon fiber Pitot/Static Tube, 2 port hub, reducer fittings, mounting hardware - 101 g

### Ground Station and HWIL Simulation

#### Ground Station and HWIL Support
- **AC Power Cord** (US) - 162 g
- **Antenna, 900MHz Avionics SMA** for bench HWIL testing - 34 g
- **Antenna, 900MHz Ground Station 5dB** - 378 g
- **Antenna, 2.4 GHz Avionics SMA** for bench HWIL testing - 23 g
- **Antenna, 2.4 GHz Ground Station 5dB** - 169 g
- **Antenna, Ground Station GPS** - 54 g
- **Antenna, Piccolo Avionics GPS 114 inch with SMA connector** - 55 g
- **Cable, CAN to USB module** - 57 g
- **Cable, Piccolo Interface - Bench Test** - 101 g
- **Cable, Piccolo Interface - Bench Test Power** - 15 g
- **Cable, Piccolo Programming** - 142 g
- **Cable, Pilot Console, 24 ft** - 186 g
- **PGS External Pilot Console Harness** - 295 g
- **Cable, Serial DB9M/DB9F** - 150 g
- **Console, Piccolo Pilot, Futaba 8ch, 9CAF with case** - 2795 g

**Phytec USB to CAN module** 79 g (222 g w/box, cable, & CD)

**Power Supply, Ground Station** - 373 g

**Piccolo Desk Top GS Assembly** - stand alone - 1549 g

**Piccolo GS Assembly Main Board** - 869 g

**Portable Ground Station (Not Kit)** - 6369 g

All weight shown in grams.

*Items not included in a typical integration kit.

All of the components in the Ground Station and HWIL Support list are included as part of the Ground Station Kit and Developer's Kit.

All items may be purchased as spare or replacement parts.

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### Unmanned Aircraft Integration Accessories

#### Avionics
- **Piccolo Plus Autopilot (900 MHz, 2.4 GHz)** without flange (No longer manufactured) - 220 g
- **Piccolo II Autopilot (900 MHz, 2.4 GHz)** without flange - 226 g
- **Piccolo LT Autopilot (900 MHz)** (No longer manufactured) - 109 g
- **Piccolo SL Autopilot (900 MHz)** - 110 g

#### Antennas and Coaxial Cables
- **Antenna, 900 MHz ¼ wave, Aircraft, BNC** - 25 g
- **Antenna Ground Plane - 900 MHz, Aircraft** - 3 g
- **Antenna, 2.4 GHz ¼ wave, Aircraft** - 16 g
- **Antenna Ground Plane – 2.4 GHz, Aircraft** - 1 g

#### GPS Antenna Properties
- **GPS Antenna, Piccolo, 20 inch with SMA connector** - 25 g
- **GPS Antenna, Piccolo, 114 inch with SMA connector** - 55 g
- **Antenna Ground Plane GPS, Aircraft** - 1 g

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GSR approval no. 13-S-1510 Due to our continued efforts in product improvement, all product specifications are subject to change without notice.

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