

# Cloud Cap Technology Piccolo Autopilot System

## Component Weights



### 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, Piccolo, 20 inch with SMA connector - 25

\*GPS Antenna, Piccolo, 114 inch with SMA connector - 55 g

Antenna Ground Plane GPS, Aircraft - 1 g

\*Antenna Cable, aircraft UHF, SMA Male to BNC Female - 26 g

Antenna Cable, aircraft UHF, SMA M to BNC bulkhead Female, 20 inch - 25 g

\*Antenna 400 MHz - 28 g

#### Power

Battery Pack, 12V 2700ma 10-Acell NIMH - Piccolo - 401 g

Battery Pack, 4.8V 2700ma 4-Acell NIMH - Servo - 160 g

#### Piccolo Flight Harness

Cable, Typical Piccolo Flight Harness w/ Ailerons - 29 g

\*Cable, Piccolo II Pig Tail - 65 g

#### Piccolo Mounting

Generic Piccolo soft-mount mounting kit - 150 g

\*Carbon fiber mounting rails (each - need two) - 11 g

#### Deadman / Tach

\*Tach / Deadman's Engine Interface Board - 5V CDI - 19 g

Tach / Deadman's Engine Interface Board Magneto - 19 g

Cable, External Kill Switch Harness - 29 g

Cable, Tach / Deadman's to Engine Magneto - 18 g

#### 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.

Cloud Cap Technology  
Piccolo Flight  
Management Systems



**UTC Aerospace Systems**