

# Piccolo Autopilots

## Specifications

Payload Intensive UAS integrations / Fixed wing and VTOL UAS / From hand-launched up to converted manned UAS / Range safety monitors or independent telemetry sources / Integrated in gas, electric, and non-powered aircraft

	Piccolo II	Piccolo SL
<b>RS232 Payload Interface</b>	Five	Three
<b>General I/O Including Servo</b>	16 configurable GPIO lines	14 configurable GPIO lines. 4 with analog feedback
<b>Analog Inputs</b>	Four, 0-5V input, 10 bit conversion	Optionally, four GPIO lines can be configured as Analog inputs, 0-5V input, 10 bit conversion
<b>Other I/O</b>	CAN: Simulation / General Interface Flight Termination: Deadman output	CAN: Simulation / General Interface Flight Termination: Deadman output
<b>Integrated RF Data Link Options</b>	900 MHz ISM, 1W 2.4 GHz ISM, 1W 320-390 MHz discrete, 1W 1350-1390 MHz discrete, 1W	900 MHz ISM, 1W 2.4 GHz ISM, 1W 320-390 MHz discrete, 1W 1350-1390 MHz discrete, 1W
<b>GPS</b>	4 Hz uBlox module GPS Receiver. 5 volt	4 Hz uBlox module GPS Receiver. 5 volt
<b>Pressure Sensors</b>	-Ported Static. 15 - 115 KPa -Ported Pitot. 4KPa Differential. 280 Km/h airspeed -Optional Ported Pitot at 10 to 50 KPa for higher airspeed vehicles	-Ported Static. 15 - 115 KPa -Ported Pitot. 4KPa Differential. 280 Km/h airspeed
<b>Waypoint Navigation</b>	100 waypoints saved in autopilot	100 waypoints saved in autopilot
<b>Inertial Sensors</b>	-3 axis gyroscopes. 300 deg/sec -3 axis acceleration. 10g	-3 axis gyroscopes. 300 deg/sec -3 axis acceleration. 6g
<b>Supported Peripherals</b>	Transponders, Secondary Comms Radios, Iridium SatComm, TASE Gimbals, Servo PTZ gimbals, Magnetometers, Laser Altimeters, Payload Passthrough, RTK GPS	Transponders, Secondary Comms Radios, Iridium SatComm, TASE Gimbals, Servo PTZ gimbals, Magnetometers, Laser Altimeters, Payload Passthrough, RTK GPS
<b>Electrical</b>	Vin: 8-20 volts Power: 4W (typical - including 900 MHz radio)	Vin: 4.5-28 volts Power: 4W (typical - including 900 MHz radio)
<b>Mechanical</b>	Size: 142 x 46 x 62 mm unflanged (5.6 x 1.8 x 2.4 inches)  Weight: 220 grams (7.7 oz) with 900 MHz radio	Size: 131 x 55.6 x 19 mm (5.16 x 2.19 x 0.76 inches)  Weight: 124 grams (4.4 oz) with 900 MHz radio
<b>Environmental</b>	Operating Temperature: -40C to +80 (calibrated range, no case)	Operating Temperature: -40C to +80 (calibrated range, no case)