PhidgetAdvancedServo 8-Motor

Note: The 1061_1B is identical to the 1061_1, except that you have the option of whether you want to include the USB cable.

The PhidgetAdvancedServo 8-Motor allows you to control the position, velocity, and acceleration of up to 8 RC servo motors. It requires a 6-15VDC external power supply; its switching power supply allows the 1061 to efficiently operate from 6 to 15 VDC and can be used with a wide range of batteries. For a list of compatible power supplies, see the Compatible Products tab.

The 1061 measures the power consumption of each servo and its switching regulator protects the motors from overvoltage. It powers servo motors of up to 3.4 Amps.

The 1061 continuously measures the current consumed by each motor with an accuracy of B±10%.

The AdvancedServo connects directly to a computerвЂ™s USB port.

Comes packaged with

- A Hardware mounting kit (4 nuts and bolts (M3), 4 plastic spacers)

Product Specifications

Servo Controller	
API Object Name	AdvancedServo
Number of Motor Ports	8

Pulse Width Min	83.3 ns
Pulse Width Max	2.7 ms
Pulse Width Resolution	83.3 ns
Pulse Code Period Max	25 ms
Board	
Controlled By	USB (Mini-USB)
API Object Name	RCServo
Electrical Properties	
Supply Voltage Min	6 V DC
Supply Voltage Max	15 V DC
Current Consumption Max	26 mA
Continuous Motor Current Max	(per motor) 1.6 A
Overcurrent Trigger	(combined) 12 A
Surge Current Max	(per motor) 3 A
Output Impedance (Motor)	600 O©
Output Motor Voltage	5 V DC
USB Speed	Full Speed
Physical Properties	
Power Jack Hole Diameter	5.5 mm
Power Jack Pin Diameter	2.1 mm
Power Jack Polarity	Center Positive
Recommended Wire Size	12 – 24 AWG
Object Temperature Min	0 B°C
Object Temperature Max	70 B°C

Note:: Current from USB supply is not available for motors.