



Item Number	SPMXAE1015	SPMXAE1030	SPMXAE1045	SPMXAE1060	SPMXAE1080	SPMXAE1100	SPMXE1130	SPMXE1150	SPMXE1160
Description	Avian 15A SMART ESC	Avian 30A SMART ESC	Avian 45A SMART ESC	Avian 60A SMART ESC	Avian 80A SMART ESC	Avian 100A SMART ESC	Firma 130A SMART ESC	Firma 150A SMART ESC	Firma 160A SMART ESC
<b>Continuous Current</b>	15A	30A	45A	60A	80A	100A	130A	150A	160A
<b>Peak Current</b>	25A	45A	60A	80A	100A	120A	760A	950A	1050A
<b>Motor</b>	Brushless	Brushless	Brushless	Brushless	Brushless	Brushless	Brushless	Brushless	Brushless
<b>Type</b>	Sensorless	Sensorless	Sensorless	Sensorless	Sensorless	Sensorless	Sensorless	Sensorless	Sensorless
<b>Application</b>	Air	Air	Air	Air	Air	Air	Surface	Surface	Surface
<b>Input</b>	2S - 4S LiPo	3S - 6S LiPo	3S - 6S LiPo	3S - 6S LiPo	3S - 8S LiPo	3S - 6S LiPo	2S - 4S LiPo	3S - 6S LiPo	3S - 8S LiPo
<b>BEC Output   Continuous/Peak</b>	5.2V, 3A/12A	6V/7.2V Adjustable, 7A (Cont.)/20A (Peak)	6V/7.2V Adjustable, 7A (Cont.)/20A (Peak)	6V/7.2V Adjustable, 7A (Cont.)/20A (Peak)	6V/7.4V/8.4V Adjustable, 8A (Cont.)/25A (Peak)	6V/7.4V/8.4V Adjustable, 8A (Cont.)/25A (Peak)	6V, 4A	6V, 4A	6V, 8.4V, 5A
<b>BEC Mode</b>	Linear	Switch	Switch	Switch	Switch	Switch	Linear	Linear	Switch
<b>Dimensions</b>	35x16x11mm (1.4x0.6x0.4in)	56x27x13mm (2.2x1.1x0.5in)	62x28x13mm (2.4x1.1x0.5in)	59x31x16mm (2.3x1.2x0.6in)	70x35x33mm (2.8x1.4x1.3in)	76x35x33mm (3.0x1.4x1.3in)	57x37x38mm (2.2x1.4x1.5in)	58x47.5x38.5mm (2.3x1.9x1.5in)	70x55x44mm (2.8x2.2x1.7in)
<b>Weight</b>	16g (0.6 oz)	50g (1.8 oz)	50g (1.8 oz)	56g (2.0 oz)	145g (5.1oz)	126g (4.4 oz)	80g (2.8 oz)	238g (8.4 oz)	280g (9.9 oz)
<b>Battery Connector</b>	IC3	IC3	IC3	IC3	IC5 (Dual)	IC5	IC5	IC5 (Dual)	IC5 (Dual)
<b>Battery Leads</b>	75mm, 20AWG	100mm, 14AWG	100mm, 14AWG	100mm, 14AWG	150mm, 12AWG	150mm, 12AWG	160mm, 12AWG	195mm, 10AWG	190mm, 10AWG
<b>Motor Connector</b>	2mm Female Bullet	3.5mm Female Bullet	3.5mm Female Bullet	3.5mm Female Bullet	4.0mm Female Bullet	4.0mm Female Bullet	4mm Female Bullet	6.5mm Female Bullet	6.5mm Female Bullet
<b>Motor Leads</b>	100mm, 20AWG	100mm, 14AWG	100mm, 14AWG	100mm, 14AWG	150mm, 12AWG	150mm, 12AWG	150mm, 12AWG	150mm, 10AWG	n/a
<b>Construction</b>	Heat Shrink	Heat Shrink	Heat Shrink	Plastic Case / Aluminum Heat Sink	Plastic Case / Aluminum Heat Sink	Plastic Case / Aluminum Heat Sink	Plastic Case / Aluminum Heat Sink	Plastic Case / Aluminum Heat Sink	Plastic Case / Aluminum Heat Sink
<b>Cooling Fan</b>	No	No	No	No	Yes	Yes	Yes	Yes	Yes
<b>Programming Port / Cable</b>	Cable	3-Pin Port on ESC	3-Pin Port on ESC	3-Pin Port on ESC	3-Pin Port on ESC	3-Pin Port on ESC	3-Pin Port on ESC	3-Pin Port on ESC	3-Pin Port on ESC
<b>Programming Options</b>	Transmitter Stick Input, ESC Programmer, SmartLink	Transmitter Stick Input, ESC Programmer, SmartLink	Transmitter Stick Input, ESC Programmer, SmartLink	Transmitter Stick Input, ESC Programmer, SmartLink	Transmitter Stick Input, ESC Programmer, SmartLink	Transmitter Stick Input, ESC Programmer, SmartLink	ESC Set Button, ESC Programmer, SmartLink	ESC Set Button, ESC Programmer, SmartLink	ESC Set Button, ESC Programmer, SmartLink
<b>Protocol</b>	Bi-directional SRXL2*, PWM (for legacy support)	Bi-directional SRXL2*, PWM (for legacy support)	Bi-directional SRXL2*, PWM (for legacy support)	Bi-directional SRXL2*, PWM (for legacy support)	Bi-directional SRXL2*, PWM (for legacy support)	Bi-directional SRXL2*, PWM (for legacy support)	Bi-directional SRXL2*, PWM (for legacy support)	Bi-directional SRXL2*, PWM (for legacy support)	Bi-directional SRXL2*, PWM (for legacy support)
<b>Battery Telemetry</b>	n/a	SMART Battery	SMART Battery	SMART Battery	SMART Battery	SMART Battery	SMART Battery	SMART Battery	SMART Battery
<b>ESC Telemetry</b>	Supported	Supported	Supported	Supported	Supported	Supported	Supported	Supported	Supported
<b>Waterproof</b>	No	No	No	No	No	No	Yes	Yes	Yes
<b>Running Modes</b>	Forward/Brake	Forward/Brake	Forward/Brake	Forward/Brake	Forward/Brake	Forward/Brake	Forward/Reverse/Brake, Forward/Brake, Forward/Reverse	Forward/Reverse/Brake, Forward/Brake, Forward/Reverse	Forward/Reverse/Brake, Forward/Brake, Forward/Reverse
<b>On &amp; Off Switch</b>	No	No	No	No	No	No	Yes	Yes	Yes
<b>SET Switch</b>	No	No	No	No	No	No	Yes	Yes	Yes
<b>Low Voltage Cutoff</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Over Current Protection</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Signal Loss Protection</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Over Temperature Protection</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

AIR

SURFACE