



Item Number	SPMXAE1015	SPMXAE1030	SPMXAE1045	SPMXAE1060	SPMXAE1080	SPMXAE1100	SPMXE1130	SPMXE1150	SPMXE1160	SPMXE1160M	SPMXE1040RX
<b>Description</b>	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	Firma 160A Marine Smart ESC	Firma 40A Brushed Smart 2-in-1 ESC and RX
<b>Continuous Current</b>	15A	30A	45A	60A	80A	100A	130A	150A	160A	160A	40A
<b>Peak Current</b>	25A	45A	60A	80A	100A	120A	760A	950A	1050A	1050A	180A
<b>Motor Type</b>	Brushless	Brushless	Brushless	Brushless	Brushless	Brushless	Brushless	Brushless	Brushless	Brushless	Brushed
<b>Application</b>	Sensorless	Sensorless	Sensorless	Sensorless	Sensorless	Sensorless	Sensorless	Sensorless	Sensorless	Sensorless	n/a
<b>Input</b>	Air	Air	Air	Air	Air	Air	Surface	Surface	Surface	Marine	Surface
<b>BEC Output   Continuous/Peak</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	3S - 8S LiPo	2-3S LiPo, 5-9 cell NiMH
<b>BEC Mode</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	6V @ 5A	6V @ 3A
<b>Dimensions</b>	Linear	Switch	Switch	Switch	Switch	Switch	Linear	Linear	Switch	Switch	Switch
<b>Weight</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)	35.5x95.7x90.4mm (1.4x3.7x3.5in)	20.5x54x33.5mm (0.81x2.1x1.3in)
<b>Battery Connector</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)	280g (9.9oz)	68g (2.4 oz)
<b>Battery Leads</b>	IC3	IC3	IC3	IC3	IC5 (Dual)	IC5	IC5	IC5 (Dual)	IC5 (Dual)	IC5 (Dual)	IC5 (Dual)
<b>Motor Connector</b>	75mm, 20AWG	100mm, 14AWG	100mm, 14AWG	100mm, 14AWG	150mm, 12AWG	150mm, 12AWG	160mm, 12AWG	195mm, 10AWG	190mm, 10AWG	200mm, 10AWG	100mm, 14AWG
<b>Motor Leads</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	6.5mm Female Bullet	3.5mm Female Bullet
<b>Construction</b>	100mm, 20AWG	100mm, 14AWG	100mm, 14AWG	100mm, 14AWG	150mm, 12AWG	150mm, 12AWG	150mm, 12AWG	150mm, 10AWG	n/a	n/a	n/a
<b>Cooling Fan</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	Plastic Case / Aluminum Heat Sink	Plastic Case
<b>Programming Port / Cable</b>	No	No	No	No	Yes	Yes	Yes	Yes	Yes	No	Yes
<b>Programming Options</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	3-Pin Port on ESC	3-Pin Port on ESC
<b>Protocol</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	ESC Set Button, ESC Programmer, SmartLink	ESC Programmer
<b>Battery Telemetry</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)	Bi-directional SRXL2*, PWM (for legacy support)	n/a
<b>ESC Telemetry</b>	n/a	Smart Battery	Smart Battery	Smart Battery	Smart Battery	Smart Battery	Smart Battery	Smart Battery	Smart Battery	Smart Battery	Smart Battery
<b>Waterproof</b>	Supported	Supported	Supported	Supported	Supported	Supported	Supported	Supported	Supported	Supported	Supported
<b>Running Modes</b>	No	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes
<b>On &amp; Off Switch</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	Forward/Reverse/Brake, Forward/Brake, Forward/Reverse	Forward/Reverse/Brake, Forward/Brake, Forward/Reverse
<b>SET Switch</b>	No	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes
<b>Low Voltage Cutoff</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Over Current Protection</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Signal Loss Protection</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Over Temperature Protection</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

AIR

SURFACE