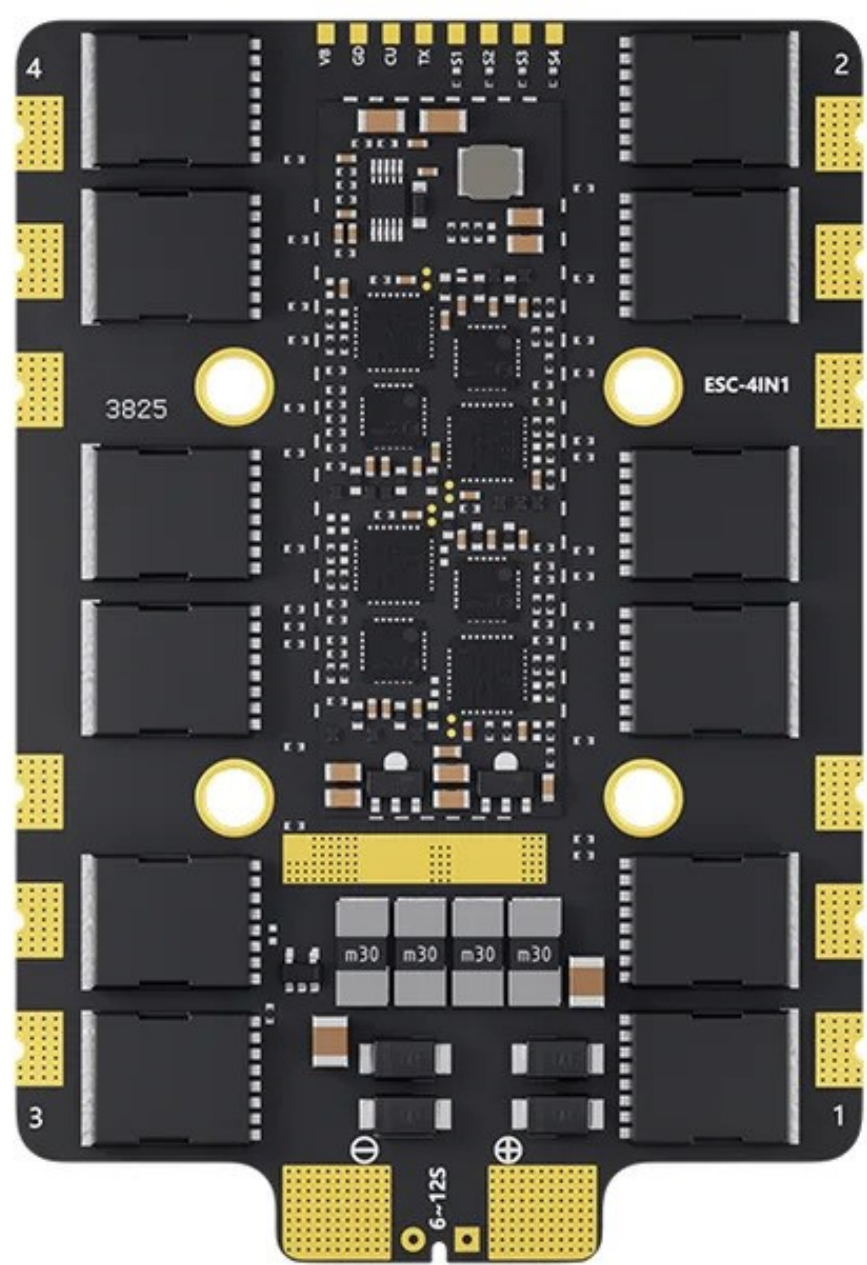




Pilotix 4in1 electronic speed controller utilizing four integrated ESC channels with AT32F421K8U7 microcontrollers running AM32 firmware. Supports input voltage from 6S to 12S LiPo configurations with 100A continuous current and 120A peak current per channel. Features DShot300, DShot600, and PWM protocols with bi-directional DShot capability, providing current, voltage, and RPM telemetry. The unit includes JST-SH 1.0mm signal connector and solder pads for power and motor connections, with two 1000μF 63V capacitors included. Measures 92 x 63mm with 30.5 x 30.5mm M3 mounting pattern, weighing 72g. Operates in temperatures from -20°C to +40°C with active cooling recommended for propellers larger than 7 inches.

Product details	
Model	4in1 Pilotix 12S 100A AM32
SKU	8901
Electrical specification	
ESC type	4 in 1
Continuous current	4 x 100 A
Peak current	4 x 120 A
Input voltage	6 - 12S
Capacitor included	2 x 1000 μF @ 63 V
Power connector	Solder pads
MCU	
ESC MCU	AT32F421K8U7
Firmware	AM32
ESC configurator	AM32 Configurator
ESC protocols	DSHOT300, DSHOT600, PWM
Bi-directional DShot	yes
Interfaces	
Control connector	JST-SH 1.0 mm
Telemetry support	Current, Voltage, RPM

Motor output wire	Solder pads
Mechanical specifications	
Dimensions	92 x 63 mm
Mounting	30.5 x 30.5 mm (M3)
Weight	72 g
Operating conditions	
Humidity range	20-95% RH (non-condensing)
Operating temperature	-20 - 40 °C
Storage temperature	-30 - 50 °C
Cooling requirements	Active (>7" props)
Common	
Package contents	Shock-absorbing balls (4x), Set of cables, Screws (4x), Nuts (4x), Power cord, Solid-state capacitors
Warranty	2 years