



The 4in1 100A AM32 Lite is a four-in-one electronic speed controller designed for FPV applications, featuring a continuous current rating of 100A and a peak current of 120A. It operates within an input voltage range of 3 to 8S, and includes two solid-state capacitors rated at 1000 μ F and 35V each. The integrated AT32F421K8U7 MCU runs AM32 firmware and supports multiple protocols including DShot150, DShot300, and PWM. This device operates effectively in temperatures ranging from -20°C to 40°C and is housed in a compact design measuring 55 x 52 mm, weighing 33 grams, and requiring passive cooling through natural airflow.

Product details	
Model	4in1 100A AM32 Lite
SKU	6454
Electrical specification	
ESC type	4 in 1
Continuous current	4 x 100 A
Peak current	4 x 120 A
Input voltage	3 - 8S
Capacitor included	2 x 1000 μ F @ 35 V
Power connector	Solder pads
MCU	
ESC MCU	AT32F421K8U7
Firmware	AM32
ESC configurator	AM32 Configurator
ESC protocols	DShot150, DShot300, DShot600, Multishot, OneShot, ProShot, PWM
Bi-directional DShot	yes
Interfaces	
Control connector	JST-SH 1.0 mm

Telemetry support	Current, Voltage, Temperature, RPM
Motor output wire	Solder pads
Mechanical specification	
Dimensions	55 x 52 mm
Mounting	30.5 x 30.5 mm (M3)
Weight	33 g
Operating conditions	
Operating temperature	-20 - 40 °C
Storage temperature	-30 - 50 °C
Humidity range	20-95% RH (non-condensing)
Cooling requirements	Passive (natural airflow)
Common	
Package contents	Power cord, Nuts (4x), Shock-absorbing balls (4x), Set of cables, Screws (4x), Solid-state capacitors , Heat shrink tubing
Warranty	2 years

Wiring diagram

