



The Pilotix 4in1 90A AM32 is an electronic speed controller featuring a 4 in 1 design, tailored for FPV applications. It operates with an input voltage range of 3-8S and provides continuous current capability of 90A, with a peak current rating of 100A. The ESC is equipped with an AT32F421K8U7 microcontroller and supports multiple communication protocols, including DShot150, DShot300, DShot600, Multishot, ProShot, PWM, and OneShot. It is designed to function efficiently in operating temperatures from -20 to 40 °C and can handle a humidity range of 20-95% RH (non-condensing).

Product details	
Model	4in1 90A AM32
SKU	8210
Electrical specification	
ESC type	4 in 1
Continuous current	4 x 90 A
Peak current	4 x 100 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, ProShot, PWM, OneShot
Bi-directional DShot	yes
Interfaces	
Control connector	JST-SH 1.0 mm

Telemetry support	RPM, Temperature, Voltage, Current
Motor output wire	Solder pads
Mechanical specifications	
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	Set of cables, Shock-absorbing balls (4x), Screws (4x), Nuts (4x), Power cord, Solid-state capacitors , Heat shrink tubing
Warranty	2 years

Wiring diagram

