



The Pilotix 4in1 65A AM32 is an electronic speed controller that features a four-in-one design with a continuous current rating of 65A and a peak current capability of 75A. It supports a wide input voltage range from 3 to 8S and comes with a 1000 μ F, 35V capacitor included. The ESC utilizes the AT32F421K8U7 microcontroller and operates with AM32 firmware, offering compatibility with various protocols including DShot150, DShot300, DShot600, Multishot, and OneShot. It is designed to function within an operating temperature range of -20 to 40 °C and a moisture range of 20-95% relative humidity, requiring passive cooling for optimal performance.

Product details	
Model	4in1 65A AM32
SKU	7671
Electrical specification	
ESC type	4 in 1
Continuous current	4 x 65 A
Peak current	4 x 75 A
Input voltage	3 - 8S
Capacitor included	1 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
Bi-directional DShot	yes
Interfaces	
Control connector	JST-SH 1.0 mm
Telemetry support	RPM, Current, Voltage, Temperature

Motor output wire	Solder pads
Mechanical specification	
Dimensions	44.5 x 40.5 mm
Mounting	30.5 x 30.5 mm (M3)
Weight	15.8 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	Shock-absorbing balls (4x), Set of cables, Screws (4x), Nuts (4x), Power cord, Solid-state capacitors , Heat shrink tubing
Warranty	2 years

Wiring diagram