



The Pilotix 4in1 80A AM32 8S CZ is an electronic speed controller (ESC) featuring a 4-in-1 design that operates with an input voltage range of 3 to 8S. It supports a continuous current of 80A and a peak current of 100A. The ESC is equipped with the AT32F421K8U7 microcontroller and utilizes AM32 firmware, while providing compatibility with various protocols including DShot150, DShot300, DShot600, Multishot, OneShot, ProShot, and PWM. It is designed for operation within a temperature range of -20 to 40 °C and requires passive cooling through natural airflow, with a weight of 33 grams and dimensions of 55 x 52 mm.

Product details	
Model	4in1 80A AM32 8S CZ
SKU	11693
Electrical specification	
ESC type	4 in 1
Continuous current	4 x 80 A
Peak current	4 x 100 A
Input voltage	3 - 8S
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
<b>Mechanical specification</b>	
Dimensions	55 x 52 mm
Mounting	30.5 x 30.5 mm (M3)
Weight	33 g
<b>Operating conditions</b>	
Operating temperature	-20 - 40 °C
Storage temperature	-30 - 50 °C
Humidity range	20-95% RH (non-condensing)
Cooling requirements	Passive (natural airflow)
<b>Common</b>	
Warranty	2 years

### Wiring diagram

