



The Pilotix 4in1 80A AM32 8S is an electronic speed controller designed for FPV applications, featuring a four-in-one configuration that supports continuous currents of up to 80A and peak currents of 100A. It operates with an input voltage range of 3 to 8S, and utilizes the AT32F421K8U7 microcontroller along with AM32 firmware. The device provides telemetry support for current, voltage, temperature, and RPM, and is equipped with signal connectors conforming to the JST-SH 1.0 mm standard. It is capable of functioning within an operating temperature range of -20 to 40 °C and has a weight of 33 grams.

Product details	
Model	4in1 80A AM32 8S
SKU	6052
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
<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