



The 4in1 75A AM32 from Pilotix is a compact electronic speed controller designed for FPV applications. It features a four-in-one ESC architecture, providing a continuous current of 75A and a peak current of 85A, suitable for multi-rotor setups operating on 3 to 8S input voltage. The integrated AT32F421K8U7 microcontroller supports a variety of protocols including DShot150, DShot300, DShot600, Multishot, and OneShot, while telemetry capabilities include current, voltage, temperature, and RPM monitoring. Operating temperatures range from -20°C to 40°C with a humidity tolerance of 20-95% RH, and the device utilizes passive cooling through natural airflow.

Product details

Model	4in1 75A AM32
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SKU	6208
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Electrical specification

ESC type	4 in 1
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Continuous current	4 x 75 A
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Peak current	4 x 85 A
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Input voltage	3 - 8S
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Capacitor included	1 x 1000 μ F @ 35 V
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Power connector	Solder pads
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MCU

ESC MCU	AT32F421K8U7
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Firmware	AM32
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ESC configurator	AM32 Configurator
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ESC protocols	DShot150, DShot300, DShot600, Multishot, OneShot
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Bi-directional DShot	yes
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Interfaces

Control connector	JST-SH 1.0 mm
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Telemetry support	Current, Voltage, Temperature, RPM
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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
Warranty	2 years

Wiring diagram

