

CC8010H12S COOLCOX 12VDC 80x80x10mm PWM Slim Axial Fan Datasheet



Brand: COOLCOX

SKU: [1016714667834](#)

Category: Axial & Centrifugal Fans

Price: **\$16.99**

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Product Page:

<https://www.equipspares.com/product/cc8010h12s-coolcox-12vdc-80x80x10mm-pwm-slim-axial-fan>

Product Description

COOLCOX CC8010H12S is a 12VDC 80x80x10mm Axial Fan optimized for space-constrained thermal management in compact enclosures. This DC-powered cooling solution features an ultra-slim 10mm profile designed to minimize thermal impedance in high-density electronic assemblies. Utilizing a precision-engineered motor and sleeve bearing architecture, it ensures structural rigidity while maintaining a low acoustic profile. The 4-wire PWM control allows for dynamic speed adjustment between 2000-4000 RPM, drawing a nominal 0.16A. This fan is an ideal replacement fan for industrial controllers and DIY projects requiring efficient heat dissipation without the bulk of standard frames.

Model Number: CC8010H12S

Brand: COOLCOX

Product Type: Axial Fan

Rated Voltage: 12VDC

Voltage Range: 10.8 - 13.2 VDC

Rated Current: 0.16A

Power: 1.92W

Rated Speed: 2000 - 4000 RPM

Bearing Type: Sleeve Bearing

Max. Air Flow: 28.5 CFM (48.4 m³/h / 0.81 m³/min)

Max. Static Pressure: 2.85 mmH₂O (27.95 Pa / 0.11 inH₂O)

Dimensions: 80x80x10mm

Weight: 42g

Life Expectancy: 30,000 Hours at 40C

Speed Control: PWM (4-wire)

Termination: 1.25mm pitch 4-pin connector

Lead Wire Length: 150mm

Housing Material: UL94V-0 Thermoplastic PBT

Blade Material: UL94V-0 Thermoplastic PBT

Operating Temperature: -10C to +70C

Storage Temperature: -40C to +75C

Protection: Locked Rotor Protection, Reverse Polarity Protection

CC8010H12S Applications

1. Ultra-slim 1U Network Appliances: The 10mm depth allows for integration into low-profile rackmount hardware where standard 25mm fans cannot fit, overcoming high system impedance in tight air channels.
2. Industrial HMI Panels: Provides low-vibration cooling for sensitive touch-screen interfaces and embedded logic boards in factory automation environments.
3. Compact DVR/NVR Systems: Ideal replacement fan for surveillance recorders requiring quiet, continuous operation and PWM-regulated thermal control.

Supplemental Images

