



# Hyper 412 Slim

RR-H412-16PK-R1



Hyper 412 Slim inherits the low noise design of Hyper 612 PWM with optimum heat dissipation at low fan speeds. It features the wider fin gaps, wide range PWM fan and Cooler Master's innovative patented CDC™ technology to further improve the cooling performance while maintaining the quiet idling. Bundled with 2 slim fans, Hyper 412 Slim is best suitable for Intel socket LGA 2011 platform due to its compact size.

## Features

- Adopts the innovative patented CDC™ (Continuous Direct Contact) technology - side-by-side heat pipe configurations with no gaps creating a perfectly smooth surface for heat conduction.
- Optimized with wider fin gaps to reduce the air flow resistance which maximizes cooling performance at low fan speed condition.
- Quick-snap fan bracket design for easier installation.
- Wide range PWM fan (500 – 1,600 R.P.M.) provides versatile performance for full loading efficiency and for quiet idling.
- Versatile all-in-one mounting solution supporting the latest Intel® LGA 2011 and AMD FM1.

## Package Information

EAN Code	4719512035634
UPC Code	884102015205
Package Dimensions	175 x 118 x 221 mm (6.9 x 4.6 x 8.7 in)
Carton Dimensions	486 x 415 x 399 mm (19.1 x 16.3 x 15.7 in)
Unit / Carton	12
Carton / Pallet	20

## Specifications

CPU Socket	Intel® LGA2011/1366/1156/1155/775 AMD FM1/AM3+/AM3/AM2+/AM2
Dimensions	132 x 106 x 160mm (5.2 x 4.2 x 6.3 in)
Heat Sink Dimensions	128 x 70 x 160 mm (5.0 x 2.8 x 6.3 in)
Heat Sink Material	4 Direct Contact Heat Pipes Aluminum Fins
Heat Sink Weight	538g (1.19 lb)
Heat Pipe Dimensions	Ø6mm
Fan Dimensions	120 x 120 x 15mm (4.7 x 4.7 x 0.6 in)
Fan Speed	500 – 1,600 RPM (PWM) ± 10%
Fan Air Flow	17.4 – 58.4 CFM ± 10%
Fan Air Pressure	0.18 – 1.76 mm H <sub>2</sub> O ± 10%
Fan Life Expectancy	40,000 hrs
Noise Level	8 - 30 dBA
Bearing Type	Long Life Sleeve Bearing
Connector	4-Pin
Fan Weight	79g (0.17 lb)
Weight	N/A


## Warranty

2 years



# Appendix

Photo taken: Dec 25, 2011

	
<p>4 Direct Contact Heat Pipes</p>	<p>Wider Fin Gaps</p>
	
<p>CDC™ Technology</p>	<p>Quick-snap Fan Bracket Design</p>
	
<p>Dual Fan Included</p>	<p>Compact size for LGA 2011</p>

Note: Photos may differ slightly from the final product.