



CPU Cooler Windale Series

AC601 / AC602 / AC401 / AC301



Support Intel & AMD(AM4)

Introduction

FSP CPU Air Cooler Windale Series updates its product lines from 3 pipes to 6 pipes, models are AC301, AC401 and AC601.

All of them are featured with CPU direct contact Technology which can release CPU heat more efficiently. The extreme quiet fan enhances better cooling performance. The High-tech fin design provides optimized cooling effect. They are highly compatible with the latest sockets of Intel and AMD.

Features

AC301 / 120W TDP

- Compatible with Intel (LGA2066) and AMD(AM4)
- Better Cooling Performance by CPU Direct Contact Technology
- Extreme Silent 92 mm Fan

AC401 / 180W TDP

- Compatible with Intel (LGA2066) and AMD(AM4)
- Better Cooling Performance by CPU Direct Contact Technology
- High Stable Anti-Vibration Rubber Used
- Extreme Silent 120 mm Fan

AC601 · AC602 / 240W TDP

- Compatible with Intel (LGA2066) and AMD(AM4)
- Better Cooling Performance by CPU Direct Contact Technology
- All Black Coating for a Polished Look in PC System.
- High Stable Anti-Vibration Rubber Used
- Extreme Silent 120 mm Blue LED Fan (AC601)/ Extreme Silent 120 mm White LED Fan (AC602)

For Internal Use Only



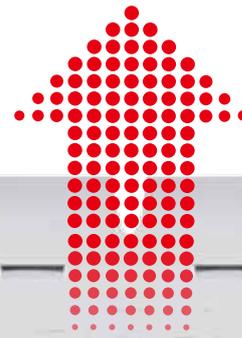
CPU Cooler Windale Series

AC601 / AC602 / AC401 / AC301

Product Overview - Windale 3

Silent 92mm PWM Fan

AC301 features with 92mm PWM fan which can be fine-tuned for maximum cooling performance or silent operation.



Unique Fin Design

Best fin design provides optimized cooling effect.

Unique Patented Solder-less Fin

Patented solder-less louver fin assembly to increase heat-pipe ventilation.



For Internal Use Only



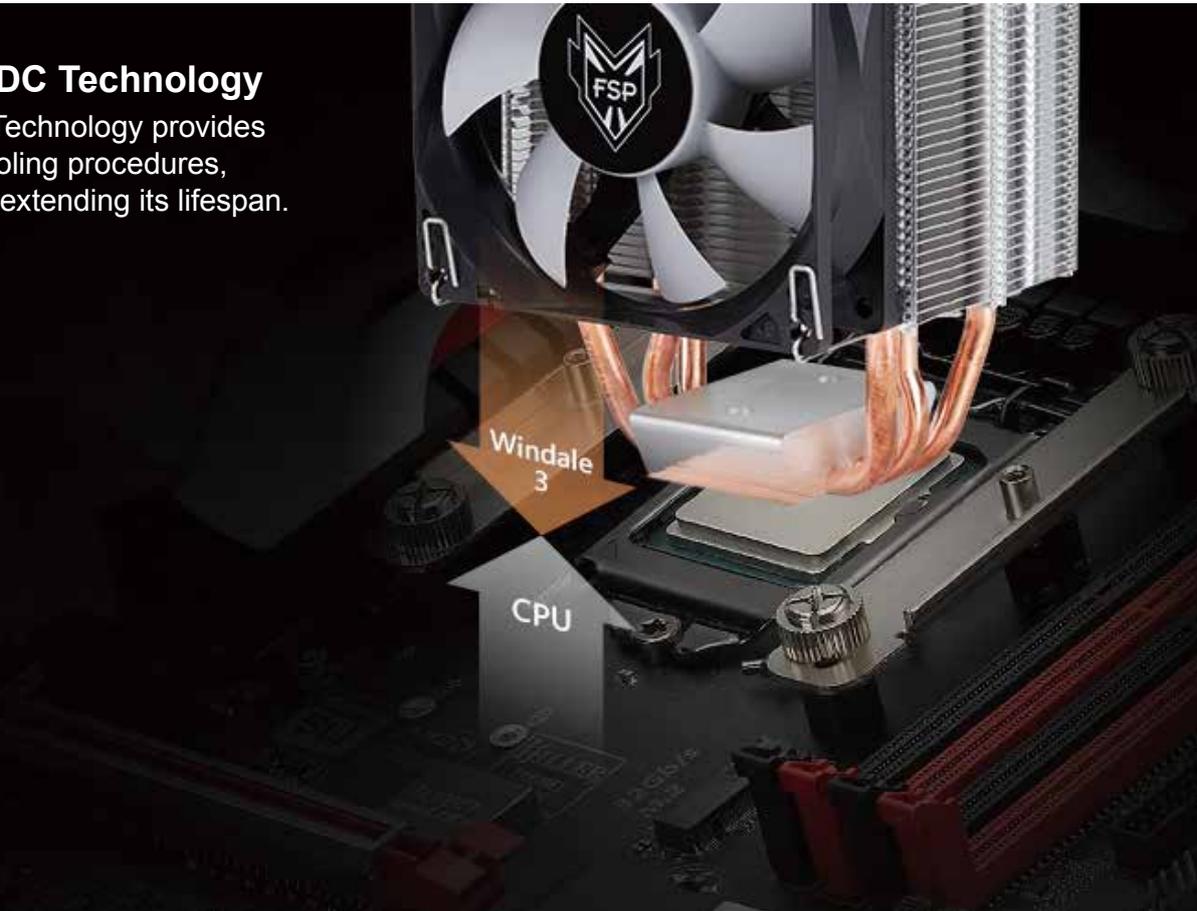
CPU Cooler Windale Series

AC601 / AC602 / AC401 / AC301

Product Overview - Windale 3

High Cooling CDC Technology

CPU direct contact Technology provides quick and instant cooling procedures, protecting CPU and extending its lifespan.



CPU Supported Platforms

High Compatibility

Universal mounting bracket compatible with the latest sockets of Intel and AMD(AM4).

| INTEL | AMD |
|------------|------------|
| LGA 2066 | AM4 |
| 2011-3 | AM3+ |
| 2011 | AM3 |
| 1366 | AM2+ |
| 1156 | FM2+ |
| 1155 | FM2 |
| 1151 | FM1 socket |
| 1150 | |
| 775 socket | |

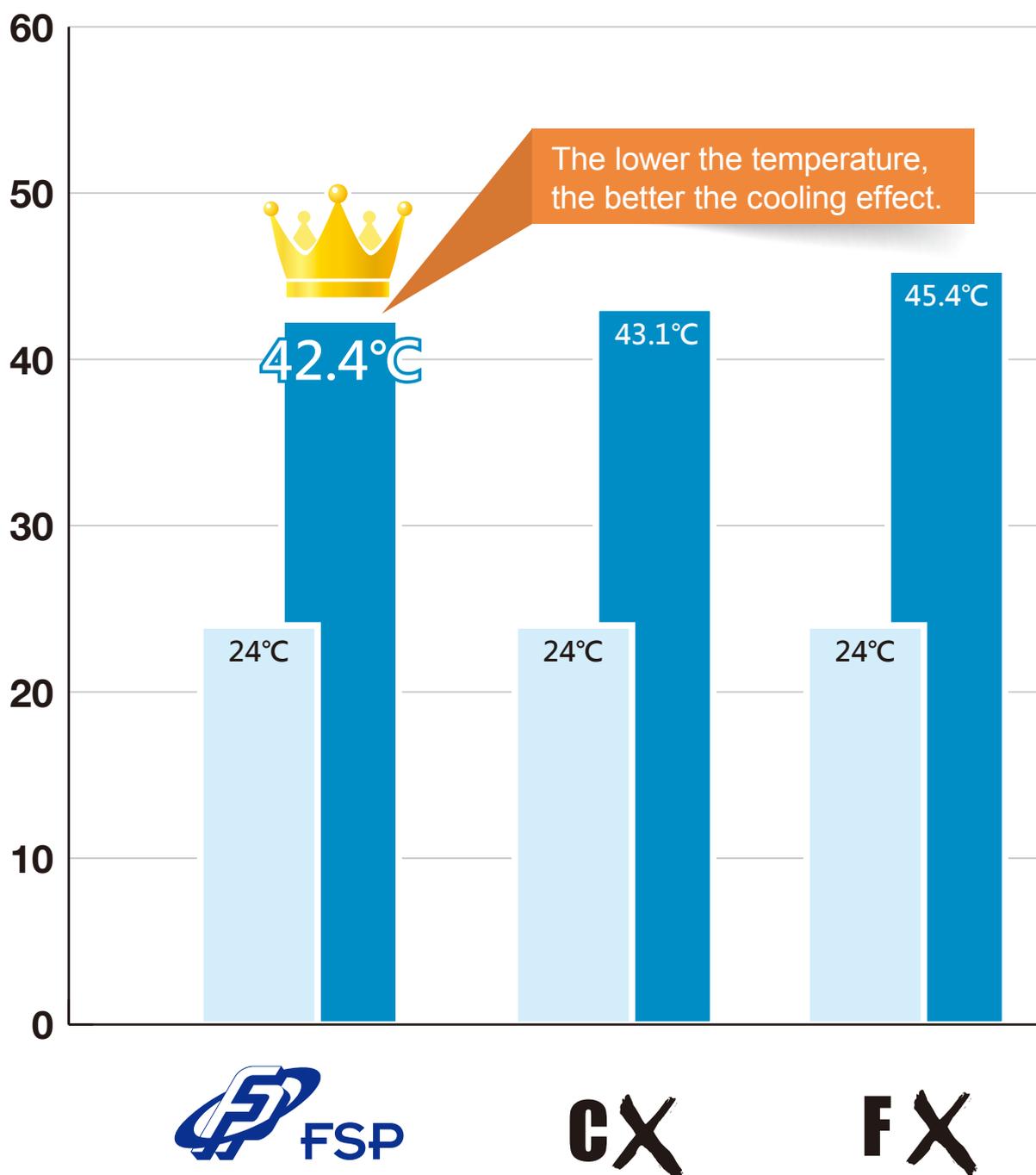
For Internal Use Only

Product Overview - Windale 3

CPU Cooler Windale 3 Testing Comparison

FSP AC301 VS. C X VS. F X

Room Temperature 120W



Product Overview - Windale 4

Extreme Silent 120mm Fan

Extra silent 120mm fan enhances better cooling performance.

Unique Fin Design

Best fin design provides optimized cooling effect.

Unique Patented Solder-less Fin

Patented solder-less louver fin assembly to increase heat-pipe ventilation.

High Stable Anti-vibration Rubber Used

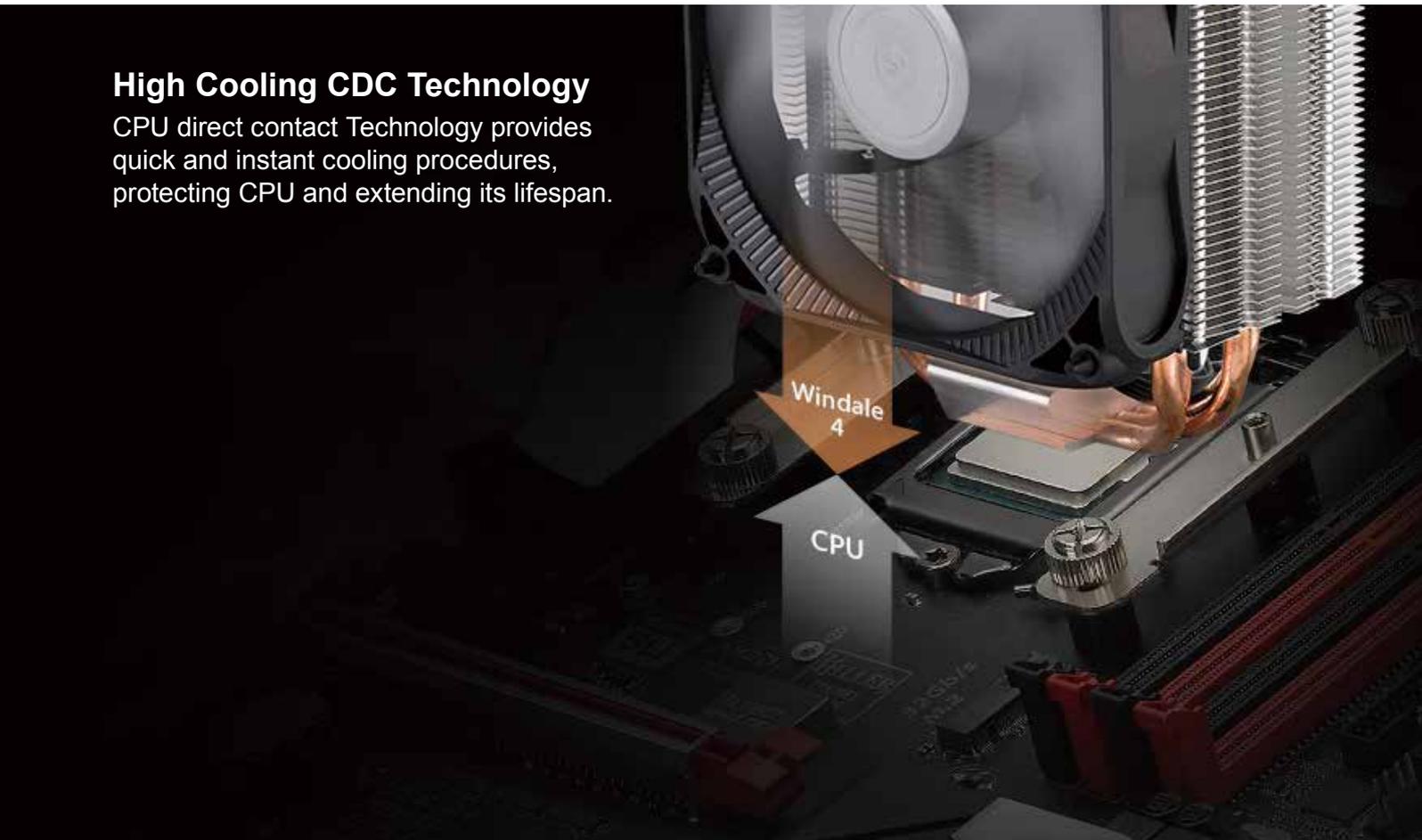
Flexile and soft anti-vibration rubber is easy to assemble. It also provides a better connection to minimize movement and noise between fan and heat sink. After assembling, the outstanding part of rubber can be cut off so that the fan can still keep clean and tidy.

For Internal Use Only

Product Overview - Windale 4

High Cooling CDC Technology

CPU direct contact Technology provides quick and instant cooling procedures, protecting CPU and extending its lifespan.



CPU Supported Platforms

High Compatibility

Universal mounting bracket compatible with the latest sockets of Intel and AMD(AM4).

| INTEL | AMD |
|------------|------------|
| LGA 2066 | AM4 |
| 2011-3 | AM3+ |
| 2011 | AM3 |
| 1366 | AM2+ |
| 1156 | FM2+ |
| 1155 | FM2 |
| 1151 | FM1 socket |
| 1150 | |
| 775 socket | |

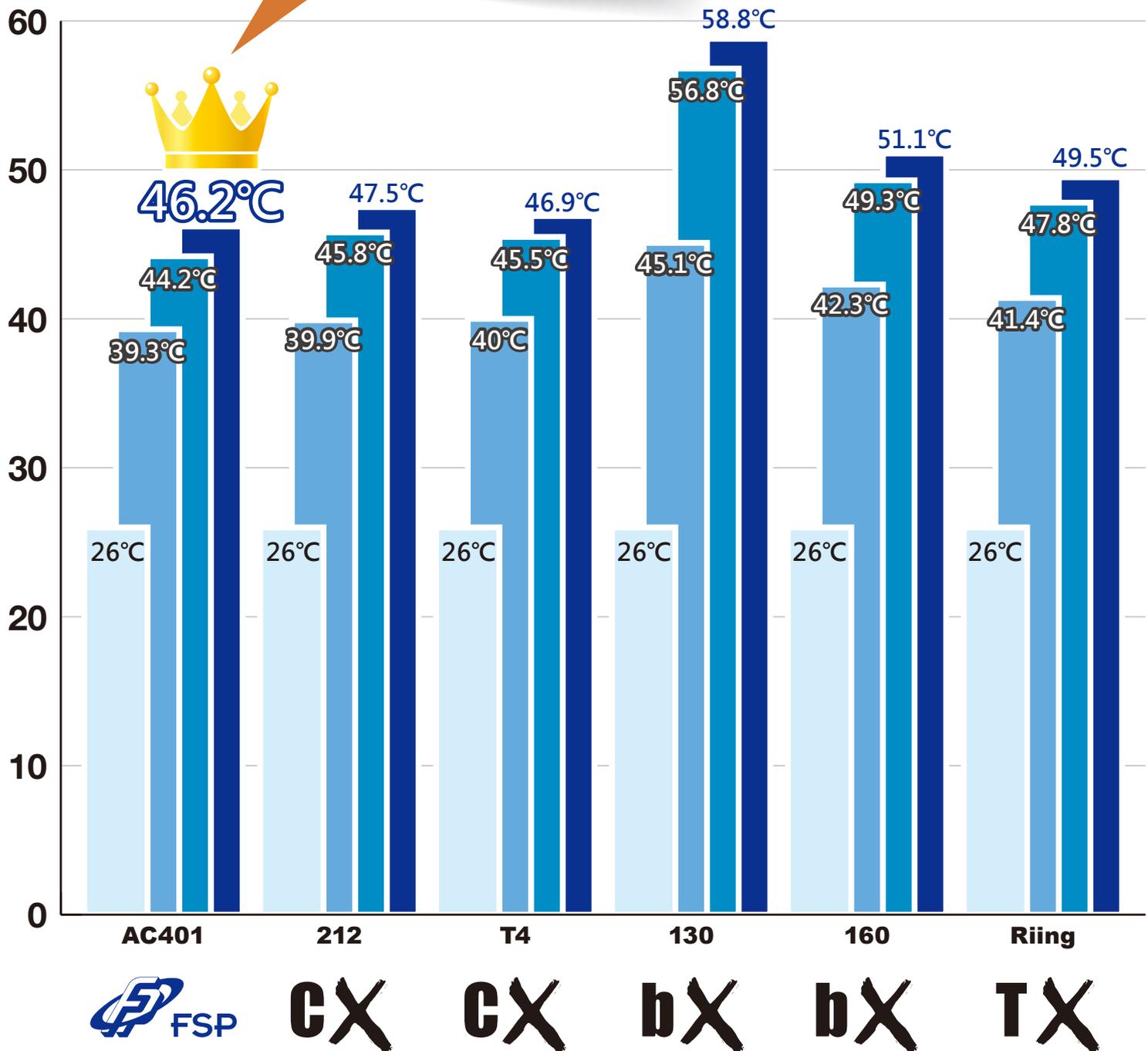
Product Overview - Windale 4

CPU Cooler Windale 4 Testing Comparison

FSP AC401 VS. C X-212 VS. C X-TM VS. be X-130 VS. be X-160 VS. TX- Riing

0W (Room Temperature) 120W 180W 200W

The lower the temperature, the better the cooling effect.



Product Overview - Windale 6

Gaming Stylish Outlook Design

Extra silent 120mm blue LED fan & black plating aluminum alloy heatsink let your PC look fancier.

Unique Fin Design

Best fin design provides optimized cooling effect.

Unique Patented Solder-less Fin

Patented solder-less louver fin assembly to increase heat-pipe ventilation.

High Stable Anti-Vibration Rubber

Flexile and soft anti-vibration rubber is easy to assemble. It also provides a better connection to minimize movement and noise between fan and heat sink. After assembling, the outstanding part of rubber can be cut off so that the fan can still keep clean and tidy.

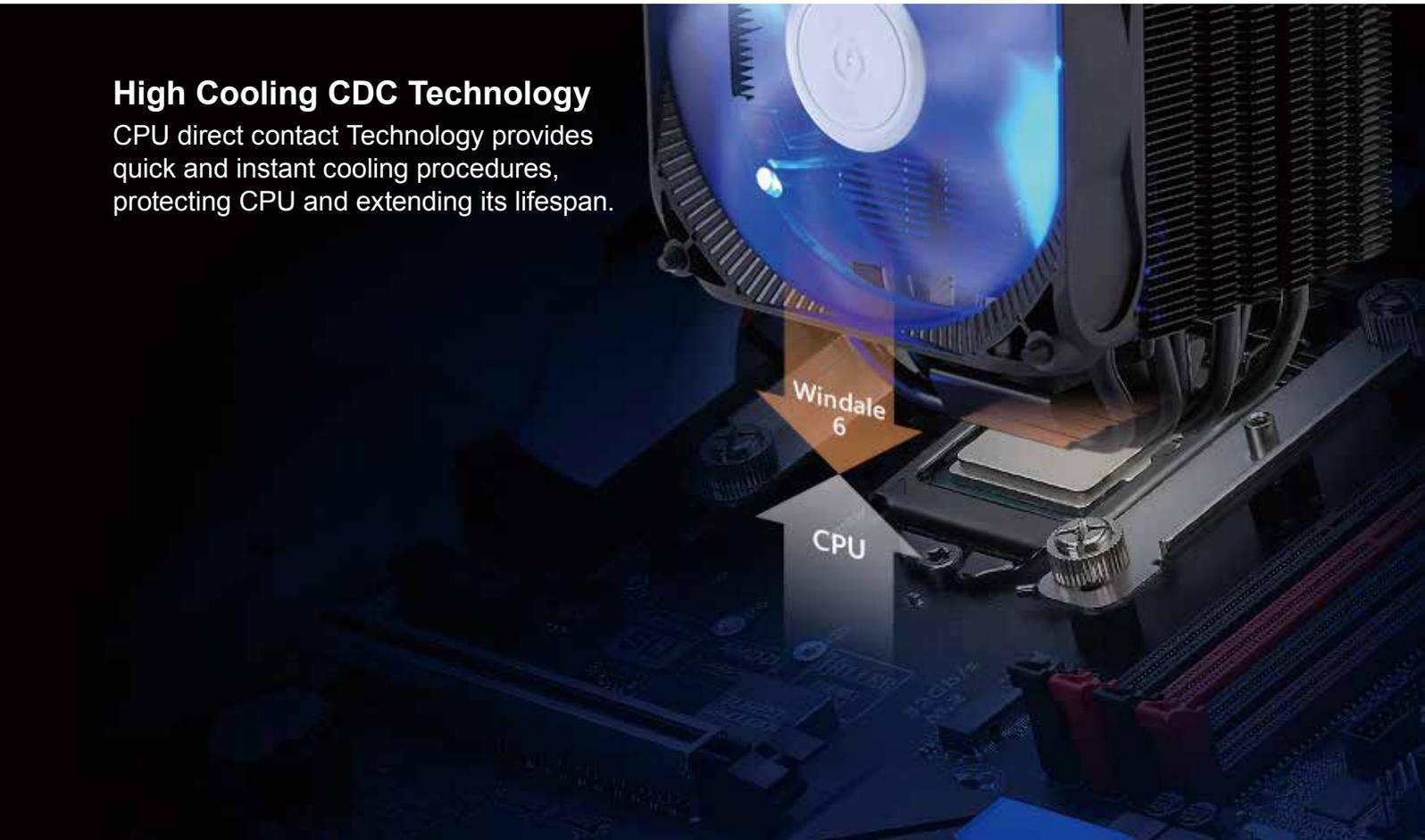
AC 602



Product Overview - Windale 6

High Cooling CDC Technology

CPU direct contact Technology provides quick and instant cooling procedures, protecting CPU and extending its lifespan.



CPU Supported Platforms

High Compatibility

Universal mounting bracket compatible with the latest sockets of Intel and AMD(AM4).

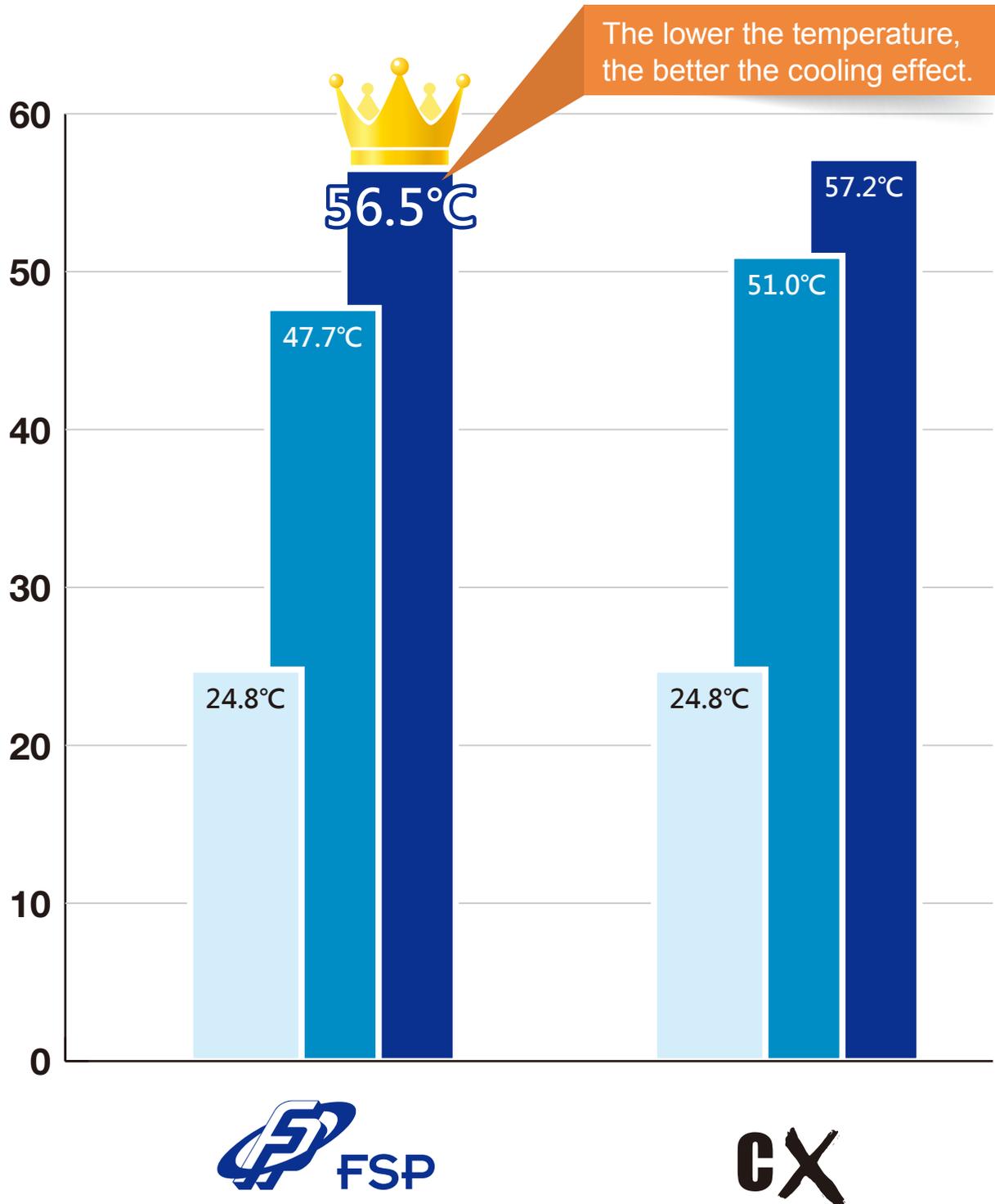
| INTEL | AMD |
|------------|------------|
| LGA 2066 | AM4 |
| 2011-3 | AM3+ |
| 2011 | AM3 |
| 1366 | AM2+ |
| 1156 | FM2+ |
| 1155 | FM2 |
| 1151 | FM1 socket |
| 1150 | |
| 775 socket | |

Product Overview - Windale 6

CPU Cooler Windale 6 Testing Comparison

FSP AC601 VS. C X 612

0W (Room Temperature) 240W 300W



Media Review - Kitguru (UK)

FSP Windale 6 Cooler Review

👤 Dominic Moass 📅 May 17, 2017 📁 Cooling, Featured Tech Reviews, Reviews

6. Closing Thoughts

The **Windale 6** marks **FSP's** first venture into the air cooling market.

It is a pretty inoffensive-looking cooler, with its all-black aesthetic, while its blue-only LED fan adds something extra. Overall I wouldn't say it is jaw-droppingly attractive, but I have seen much uglier coolers in my time.

It is also easy to install, using the classic rail-mounting system, and you will be up and running in no time. However, we do have to mention that, on our test motherboard at least, the cooler did overhang the first two DIMM slots, so that is definitely worth bearing in-mind.



Media Review - Kitguru (UK)

FSP Windale 4 Cooler Review

 Dominic Moass  June 5, 2017  Cooling, Featured Tech Reviews, Reviews



1. Introduction

Previously we have looked at FSP's debut Windale 6 cooler, and today we are supplementing that review with a look at the Windale 4. As the name suggests, it is a smaller, 4-heatpipe cooler that has an MSRP of \$32.99. Can it compete in the fiercely competitive budget cooler market?



Rating: 8.0.

Given the **FSP Windale 6** impressed us when we reviewed it, I would expect the **Windale 4** to be a similarly impressive, but smaller, package. In this review we look at the installation

process, thermal performance and noise levels before coming to a conclusion.



Media Review - Kitguru (UK)



Its performance is pretty much what we would expect from a cooler of this size – it is quite average, but is definitely better some than other budget options we have seen previously.

In terms of its noise levels, it is nice and quiet even under load. Of course, you can hear it, but FSP's fan is relatively slow-spinning so it definitely one of the quieter budget coolers available.

As such, the **FSP Windale 4** wins another recommendation. The Cryorig H7 is still the sub-£40 king, but this cooler offers good performance for a low cost making it a solid buy for users on a budget.

It is not currently available in the UK but its MSRP is \$32.99 so expect pricing to be similar.



Media Review - Elladan test &co (France)



Photo issue de FSP

Pour toute les raisons que nous venons d'évoquer, nous décernerons l'ECM d'or pour le ventirad Windale 6 de chez FSP.

Nous remercions FSP pour le sample !



Media Review - Elladan test &co (France)

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30 juin 2017, 06h00



ZeDen teste le ventirad FSP Windale 6

Fiche de **FSP**

6. Conclusion

Conclusion

Après avoir soumis ce Windale 6 à la torture d'un i7 7700 et l'avoir comparé à un modèle de Noctua, une référence dans le domaine, on peut conclure que FSP peut être fier de son premier modèle. En effet, celui-ci se révèle être performant et silencieux. Le design intégralement noir, rehaussé par les LEDs bleues du ventilateur, est selon nous une réussite. Le montage se passe globalement bien, mais on aurait préféré que la pâte thermique soit livrée en seringue plutôt qu'en sachet, pour une application un peu plus aisée.



| Pour | Contre |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none">• Le design gaming réussi• Performance quasi au niveau Noctua• Silence• Look• Rapport qualité/prix• Kit pour monter un 2eme ventilo | <ul style="list-style-type: none">• Pâte thermique peu pratique à appliquer et de performance moyenne |



Specifications



| | | | |
|--------------------|---------------|-----------------------------|-----------------------------|
| Product Name | | Windale 3 | Windale 4 |
| Model Name | | AC301 | AC401 |
| Dimensions (LxWxH) | | 98 x 82 x 142mm | 122 x 83 x 158mm |
| Weight | | 400g | 620g |
| Thermal resistance | | 0.153°C/W | 0.11°C/W |
| Heat Sink | Material | Aluminum Alloy | Aluminum Alloy |
| | Heat-pipe | 6mm x 3PCS | 6mm x 4PCS |
| Fan | Size | 92 x 92 x 25mm | 120 mm PWM |
| | Rated Voltage | 12 VDC | 12 VDC |
| | Rated Current | 0.18A | 0.14A |
| | Speed | 600-2200 RPM (PWM) ± 15% | 600-1600 RPM (PWM) ± 15% |
| | Bearing Type | Sleeve Bearing | Sleeve Bearing |
| | Fan Air Flow | 42.2 CFM ± 10% | 60 CFM ± 10% |
| | Noise Level | 26±3 dBA | 32 dBA |
| | LED | NO | NO |

Specifications



| | | | |
|--------------------|---------------|--------------------------------------|--------------------------------------|
| Product Name | | Windale 6 | Windale 6 |
| Model Name | | AC601 | AC602 |
| Dimensions (LxWxH) | | 122 x 110 x 165 mm | 122 x 110 x 165 mm |
| Weight | | 823g | 823g |
| Thermal resistance | | 0.09°C/W | 0.09°C/W |
| Heat Sink | Material | Aluminum Alloy with black plating | Aluminum Alloy with black plating |
| | Heat-pipe | 6mm x 6PCS | 6mm x 6PCS |
| Fan | Size | 120 mm PWM | 120 mm PWM |
| | Rated Voltage | 12 VDC | 12 VDC |
| | Rated Current | 0.18A | 0.18A |
| | Speed | 600-1600 RPM (PWM) ± 15% | 600-1600 RPM (PWM) ± 15% |
| | Bearing Type | Sleeve Bearing | Sleeve Bearing |
| | Fan Air Flow | 60 CFM ± 10% | 60 CFM ± 10% |
| | Noise Level | 32 dBA | 32 dBA |
| | LED | Blue LED | White LED |



CPU Cooler Windale Series

AC601 / AC602 / AC401 / AC301

Package Information

| Model Name | AC301 | AC401 |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| EAN Code | 471322452133 1 | 4713224520037 |
| UPC Code | 845685009883 | 845685008787 |
| Shipping Dimensions (L×W×H) | | 125 x 112 x 190 mm |
| Shipping Weight | | 620 g |
| Unboxed Product Weight | 400g | 470 g |
| Master Pack Dimension (L×W×H) | | 485 x 285 x 220 mm |
| Master Pack Quantity | PCS | 8 PCS |
| Master Pack Weight | kg | 8.33 kg |
| Pallet Quantity (Per Layer) | 560 PCS | 320 PCS |
| Country of Origin | China | China |
| Warranty | 1 Year | 1 Year |
| Additional Information | http://www.fsplifestyle.com/en/product/Windale3.html | http://www.fsplifestyle.com/en/product/Windale4.html |

| Model Name | AC601 | AC602 |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| EAN Code | 4713224520044 | 4713224520044 |
| UPC Code | 845685008794 | 845685008794 |
| Shipping Dimensions (L×W×H) | 139 x 125 x 195.5 mm | 139 x 125 x 195.5 mm |
| Shipping Weight | 823 g | 823 g |
| Unboxed Product Weight | 695 g | 695 g |
| Master Pack Dimension (L×W×H) | 535 x 310 x 225 mm | 535 x 310 x 225 mm |
| Master Pack Quantity | 8 PCS | 8 PCS |
| Master Pack Weight | 10.43 kg | 10.43 kg |
| Pallet Quantity (Per Layer) | 240 PCS | 240 PCS |
| Country of Origin | China | China |
| Warranty | 1 Year | 1 Year |
| Additional Information | http://www.fsplifestyle.com/en/product/Windale6.html | http://www.fsplifestyle.com/en/product/Windale6.html |