

SUNON®



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SUNON®

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Thermal Solution
5G Telecom Networking

Server/Switch/Router/WIFI 6 Router/5G Small Cell

*All products are RoHS compliant.

ABOUT SUNON

Over 41 years, SUNON has specialized in various types of thermal solutions related to motors, fans, and ventilators for a wide range of applications. We offer optimal thermal solutions and prompt responses to clients' needs, with customer service and technical support networks all around the world.



5G ERA

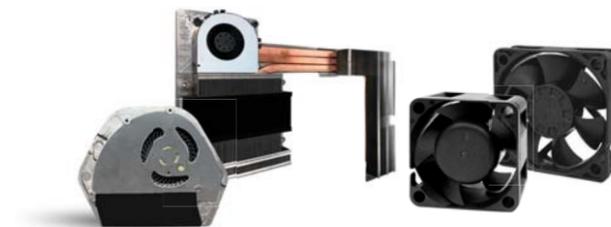
Smart Life
High-speed Connections

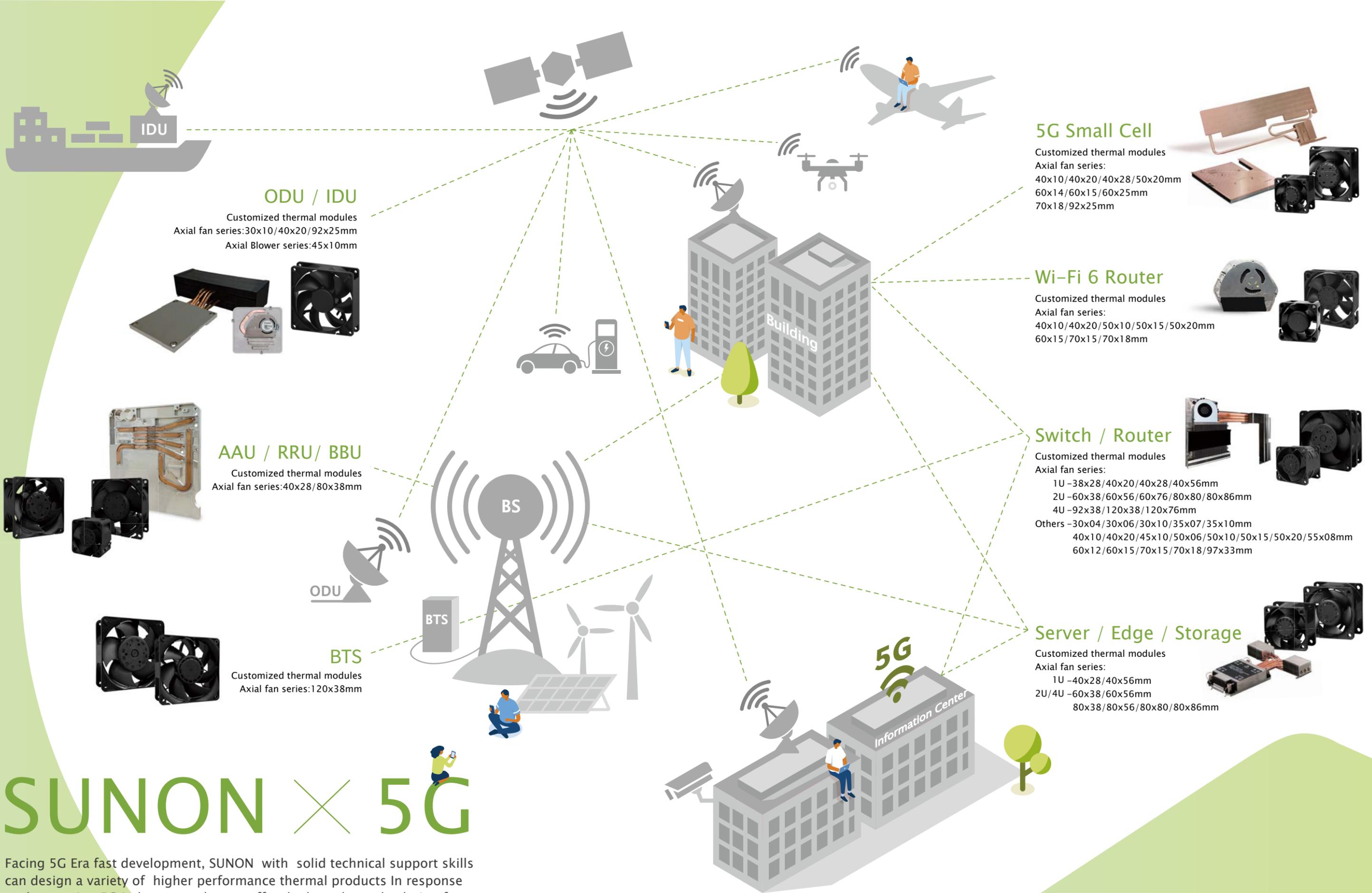
Global corporations have invested time and effort in building 5G infrastructure and networks. The best 5G operating performance is determined by a seamless integration of ultra-high speed, ultra-low latency and high capacity. SUNON can design suitable thermal modules to meet 5G thermal needs and offer an optimal and efficient thermal solution in the limited spaces of 5G infrastructure's internal structures.

Base Stations



Networking





ODU / IDU
 Customized thermal modules
 Axial fan series:30x10/40x20/92x25mm
 Axial Blower series:45x10mm



AAU / RRU / BBU
 Customized thermal modules
 Axial fan series:40x28/80x38mm



BTS
 Customized thermal modules
 Axial fan series:120x38mm



5G Small Cell
 Customized thermal modules
 Axial fan series:
 40x10/40x20/40x28/50x20mm
 60x14/60x15/60x25mm
 70x18/92x25mm



Wi-Fi 6 Router
 Customized thermal modules
 Axial fan series:
 40x10/40x20/50x10/50x15/50x20mm
 60x15/70x15/70x18mm



Switch / Router
 Customized thermal modules
 Axial fan series:
 1U -38x28/40x20/40x28/40x56mm
 2U -60x38/60x56/60x76/80x80/80x86mm
 4U -92x38/120x38/120x76mm
 Others -30x04/30x06/30x10/35x07/35x10mm
 40x10/40x20/45x10/50x06/50x10/50x15/50x20/55x08mm
 60x12/60x15/70x15/70x18/97x33mm



Server / Edge / Storage
 Customized thermal modules
 Axial fan series:
 1U -40x28/40x56mm
 2U/4U -60x38/60x56mm
 80x38/80x56/80x80/80x86mm



SUNON × 5G

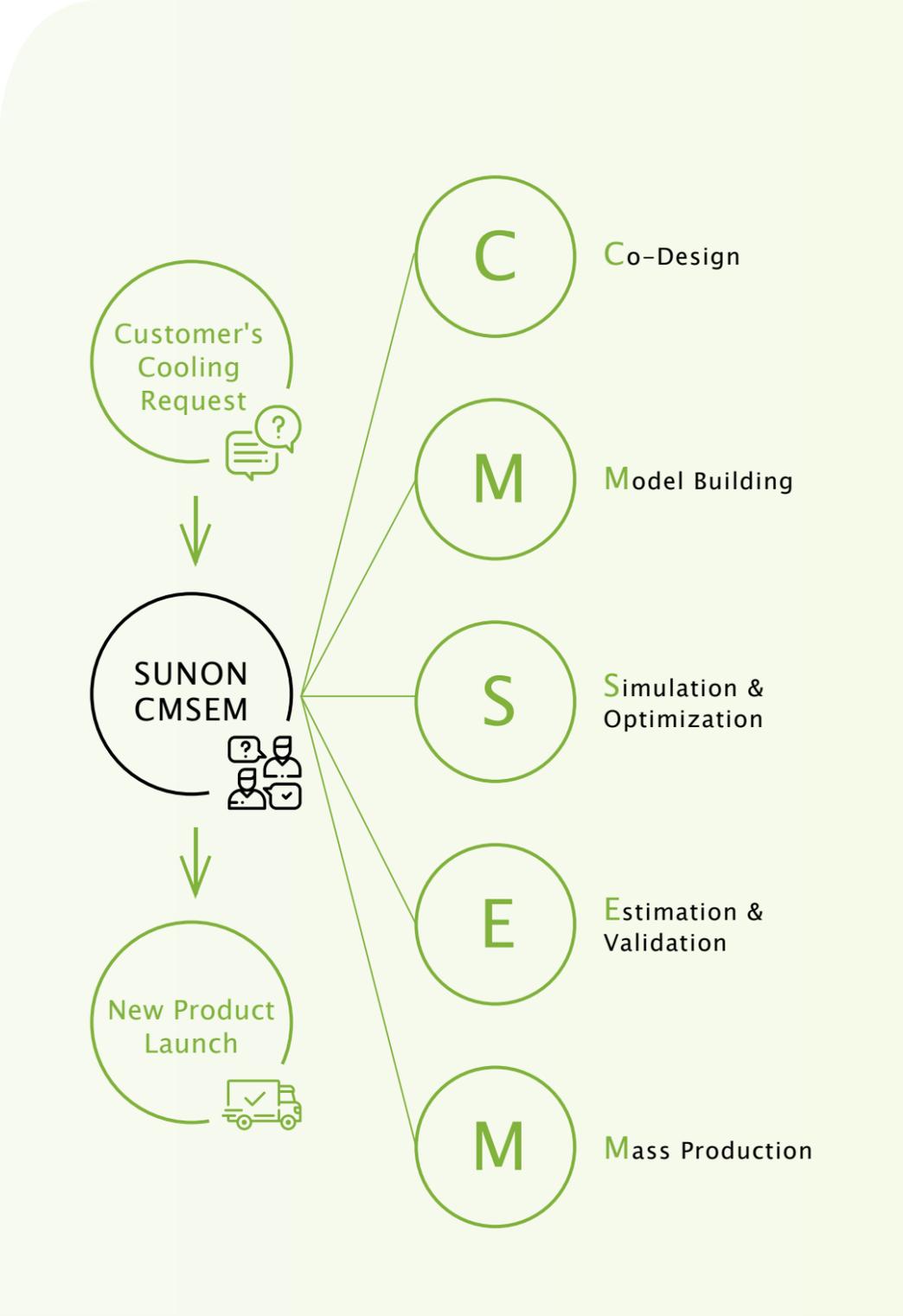
Facing 5G Era fast development, SUNON with solid technical support skills can design a variety of higher performance thermal products in response to the growing 5G industry, so that we offer the best thermal solution for various 5G applications.

SUNON Optimal Cooling Solution

| Product Info | Cooling Fans | Cooling Modules | | | | |
|--------------|--|--|--|---|---|---|
| | DC Fan & Blower EC Fan AC Fan & Blower | Air Cooling | Liquid Cooling | Passive Cooling | | |
| | | Fan Cooling Module | Cold Plates | Heat Sink (HS) | Heat Pipe (HP) | Vapor Chamber (VC) |
| Features | <ul style="list-style-type: none"> • High fan efficiency • Low noise • Energy saving • Long life | <ul style="list-style-type: none"> • The most efficient heat dissipation solution | <ul style="list-style-type: none"> • Compact design • Large power carrier • Effective space utilization | <ul style="list-style-type: none"> • High reliability • Economic thermal solution | <ul style="list-style-type: none"> • Various pipe design • Flexible configuration | <ul style="list-style-type: none"> • Better isothermal system • High Qmax |
| | | Custom Design | Integral Pipelining Embedded | Extrusion Die Casting Skived Fin Stacked Fin | Custom Design | Custom Design |

SUNON Comprehensive Thermal Solution and Technical Support Service

SUNON is an original cooling product manufacturer. We are 100% research-based, designing and manufacturing a variety of fans, vapor chambers and heat pipes and more, We can configure both active and passive cooling components to provide our clients a full range of cooling solutions through the use of scientific simulation and equipment. SUNON aims to give excellent service in thermal solutions, satisfying clients' thermal requirements for any function, sizes, and budget.



WHAT WE DO

CMSEM One-Stop Thermal Solution Service

SUNON provides a set of CMSEM services, designing thermal solutions from scratch. We work together with our clients to design the best thermal modules for their individual needs. Then, we create a model to simulate and optimize each module's thermal performance, which is passed through various estimation and mass-production phrases. Through collaboration, the highest quality of service, and a timesaving process of solving heat problems, SUNON provides our clients with optimal thermal solutions.



5G Networking Applications

Living a 5G smart lifestyle is secured by high-performance data processing and transmission within networking systems, however, when those systems operate in a poorly ventilated environment, serious lag between applications can occur. SUNON efficiently addresses heat dissipation problems by providing thermal solutions, by which data and information are processed without any disruption at ultralow latency and ultrahigh speed.



SUNON is 100% designing and manufacturing a variety of fans and cooling modules that are based on each client's thermal needs, suitable for outdoor base stations to indoor networking applications such as server and router. We can solve most of heat problems for the entire 5G applications to enhance the internet connection.

Server Storage Edge



Switch Router



Wi-Fi 6 Router



5G Small Cell



Fan & Cooling Module

- Adopting cutting-edge thermal technologies such as AntiVib motor- and power-saving circuits ensures thermal effectiveness.
- Maximizes server system operation performance.



- Fan tray solution and various cooling components are suitable for switch and router use
- Increases the capacity of data transmission.



- The best air cooling solution with high performance.
- Space utilization and maximal thermal effectiveness.



- High effective fan solution and a variety of configurations available.
- Customized designs such as IP protection for different thermal needs.



System View

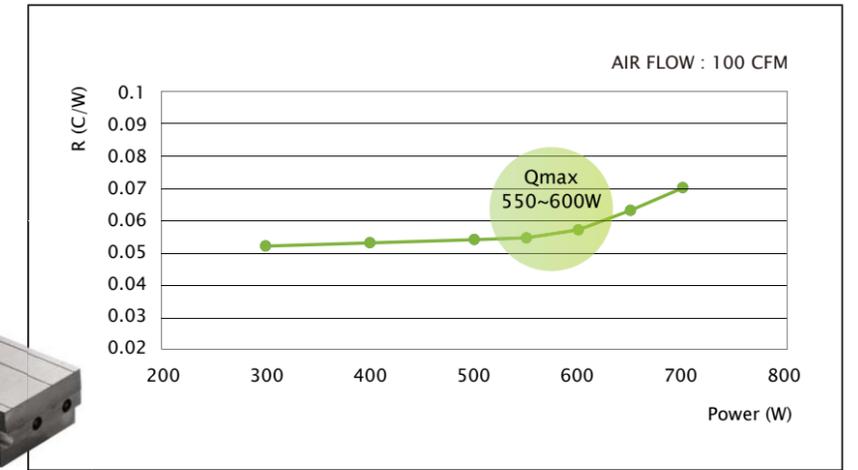
Thermal Solution

5G Networking Applications Cooling Modules

We customize a full range of cooling solutions to offer the best thermal solutions, meeting clients' goals and needs for any function, sizes, and budget.

High Power Heat Pipe Solution

- > Higher level thermal conductivity : 92~100w TDP.
- > Excellent thermal equilibrium, 80% plus increase in thermal effectiveness.
- > Can be configured with other components for high powered applications to reduce thermal resistance.



For Intel CPU Coolers and Edge and Storage

> SUNON introduces and develops the latest thermal specification for Intel server CPU coolers and various custom-design cooling modules, to fully satisfy networking applications' thermal needs.



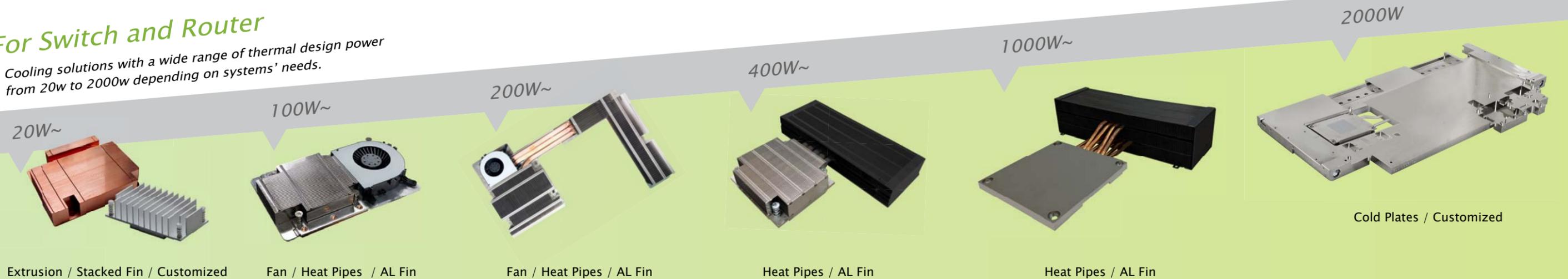
For Wifi 6 Router

> Customized air cooling configuration design: ADC and AL and fan die-casting techniques, and space utilization offering average 20w TDP.



For Switch and Router

> Cooling solutions with a wide range of thermal design power from 20w to 2000w depending on systems' needs.



20W~
Extrusion / Stacked Fin / Customized

100W~
Fan / Heat Pipes / AL Fin

200W~
Fan / Heat Pipes / AL Fin

400W~
Heat Pipes / AL Fin

1000W~
Heat Pipes / AL Fin

2000W
Cold Plates / Customized

Thermal Solution

5G Networking Applications

Cooling Modules



Server/Storage/Edge

| Type | System | size (mm) | Model | Bearing | Rated Voltage (V) | Power Current (mA) | Power (W) | Speed (RPM) | Air Flow (CFM) | Static Pressure (Inch-H ₂ O) | Noise (dB(A)) | Frame Type |
|------|--------|-----------|----------------|---------|-------------------|--------------------|-----------|-----------------------------|----------------|---|---------------|------------|
| | | 40x40x28 | PF40281BX-D43 | 2 Ball | 12 | 900 | 10.80 | 22,000 | 31.3 | 2.81 | 62.0 | Flange |
| | | 40x40x28 | PF40281BX-D08 | 2 Ball | 12 | 1150 | 13.80 | 23,000 | 31.6 | 3.25 | 62.0 | Rib |
| | | 40x40x28 | VF40281BX-Q22 | 2 Ball | 12 | 1750 | 21.00 | 26,000 | 36.3 | 4.38 | 63.0 | Flange |
| | | 40x40x28 | VF40281BX-Q73 | 2 Ball | 12 | 2100 | 25.20 | 27,000 | 37.3 | 4.58 | 63.4 | Rib |
| | | 40x40x28 | XF40281BX-Q01 | 2 Ball | 12 | 1650 | 19.80 | 36,000 | 31.0 | 6.80 | 68.7 | Rib |
| | | 40x40x28 | XF40281BX-Q03 | 2 Ball | 12 | 2650 | 31.80 | 33,000 | 38.6 | 5.83 | 70.1 | Rib |
| | | 40x40x28 | XG40281BX-1Q01 | 2 Ball | 12 | 2500 | 30.00 | 34,000 | 40.0 | 6.39 | 68.9 | Flange |
| | | 40x40x56 | PF40561BX-QA1 | 2 Ball | 12 | 1900 | 22.80 | 23,300 (in) 20,300 (out) | 34.8 | 4.31 | 69.4 | Flange |
| | | 40x40x56 | VG40561BX-D01 | 2 Ball | 12 | 1270 | 15.24 | 25,500 (in) 22,300 (out) | 25.0 | 6.19 | 65.0 | Flange |
| | | 40x40x56 | XF40561BX-Q02 | 2 Ball | 12 | 2500 | 30.00 | 30,000 (in) 27,200 (out) | 33.6 | 7.60 | 69.5 | Flange |
| | | 40x40x56 | XG40561BX-1Q25 | 2 Ball | 12 | 3200 | 38.40 | 33,200 (in) 27,200 (out) | 38.7 | 9.25 | 78.6 | Flange |
| | | 40x40x56 | XG40561BX-1Q33 | 2 Ball | 12 | 3000 | 36.00 | 29,800 (in) 27,900 (out) | 41.0 | 8.60 | 72.6 | Flange |
| | | 60x60x38 | PF60381BX-D07 | 2 Ball | 12 | 2500 | 30.00 | 16,500 | 75.2 | 3.28 | 67.6 | Flange |
| | | 60x60x38 | VF60381BX-0000 | 2 Ball | 12 | 1900 | 22.80 | 22,800 | 67.8 | 4.84 | 64.1 | Flange |
| | | 60x60x38 | VF60381BX-Q09 | 2 Ball | 12 | 2750 | 33.00 | 20,800 | 77.0 | 4.84 | 72.6 | Flange |
| | | 60x60x38 | XF60381BX-1000 | 2 Ball | 12 | 3100 | 37.20 | 26,200 | 71.8 | 7.10 | 67.6 | Flange |
| | | 60x60x56 | PF60561BX-000 | 2 Ball | 12 | 2500 | 30.00 | 15,300 (in) 14,300 (out) | 72.9 | 3.44 | 71.7 | Flange |
| | | 60x60x56 | VF60561BX-Q09 | 2 Ball | 12 | 2700 | 32.40 | 17,400 (in) 14,100 (out) | 66.4 | 5.46 | 72.9 | Flange |
| | | 60x60x56 | VG60561BX-1Q02 | 2 Ball | 12 | 4200 | 50.40 | 20,700 (in) 17,400 (out) | 75.7 | 7.46 | 77.4 | Flange |
| | | 60x60x56 | VG60561BX-Q14 | 2 Ball | 12 | 4200 | 50.40 | 21,600 (in) 20,800 (out) | 69.9 | 10.42 | 78.6 | Flange |
| | | 60x60x56 | VG60561BX-1Q01 | 2 Ball | 12 | 5200 | 62.40 | 21,300 (in) 18,400 (out) | 80.9 | 8.68 | 78.2 | Flange |
| | | 60x60x56 | XG60561BX-1Q01 | 2 Ball | 12 | 5300 | 63.60 | 24,000 (in) 23,000 (out) | 85.8 | 10.26 | 80.0 | Flange |
| | | 80x80x38 | PF80381BX-000 | 2 Ball | 12 | 4000 | 48.00 | 14,000 | 141.9 | 3.20 | 72.1 | Flange |
| | | 80x80x38 | VF80381B1-1Q04 | 2 Ball | 12 | 3000 | 36.00 | 10,800 | 125.2 | 1.84 | 60.6 | Flange |
| | | 80x80x38 | VF80381BX-Q39 | 2 Ball | 12 | 4200 | 50.40 | 17,000 | 132.4 | 5.88 | 73.1 | Flange |
| | | 80x80x56 | VF80561BX-Q01 | 2 Ball | 12 | 2200 | 26.40 | 12,700 (in) 10,900 (out) | 94.8 | 3.57 | 70.8 | Flange |
| | | 80x80x56 | VG80561BX-Q09 | 2 Ball | 12 | 5000 | 60.00 | 17,000 (in) 14,500 (out) | 127.0 | 6.59 | 75.5 | Flange |
| | | 80x80x56 | VF80561BX-Q07 | 2 Ball | 12 | 2100 | 25.20 | 13,500 (in) 11,300 (out) | 103.8 | 5.09 | 71.1 | Flange |
| | | 80x80x56 | VG80561BX-Q14 | 2 Ball | 12 | 4000 | 48.00 | 17,000 (in) 14,500 (out) | 130.4 | 8.41 | 77.3 | Flange |
| | | 80x80x80 | PF80801BX-000 | 2 Ball | 12 | 6800 | 81.60 | 15,600 (in) 14,100 (out) | 151.5 | 5.44 | 80.4 | Flange |
| | | 80x80x80 | VF80801BX-Q10 | 2 Ball | 12 | 9400 | 112.80 | 15,400 (in) 13,600 (out) | 168.6 | 6.90 | 84.1 | Flange |
| | | 80x80x80 | VG80801BX-1Q01 | 2 Ball | 12 | 10700 | 128.40 | 16,500 (in) 13,500 (out) | 203.7 | 7.44 | 83.0 | Flange |
| | | 80x80x86 | VG80861BX-Q07 | 2 Ball | 12 | 7500 | 90.00 | 15,700 (in) 14,600 (out) | 161.7 | 7.15 | 81.1 | Flange |
| | | 80x80x86 | VF80864BX-Q06 | 2 Ball | 54 | 1850 | 99.90 | 16,500 (in) 15,700 (out) | 166.3 | 7.22 | 81.9 | Flange |



5G Small Cell

| Type | size (mm) | Model | Bearing | Rated Voltage (V) | Power Current (mA) | Power (W) | Speed (RPM) | Air Flow (CFM) | Static Pressure (Inch-H ₂ O) | Noise (dB(A)) | Frame Type |
|------|------------|-----------------|---------|-------------------|--------------------|-----------|-------------|----------------|---|---------------|------------|
| | 40x40x10 | MF40101V1-1Q140 | Vapo | 12 | 45 | 0.54 | 7,000 | 8.0 | 0.19 | 27.3 | Rib |
| | 40x40x10 | MF40101V2-1Q030 | Vapo | 12 | 30 | 0.36 | 5,800 | 7.0 | 0.12 | 20.6 | Rib |
| | 40x40x20 | MF40201VX-1Q09 | Vapo | 12 | 82 | 1.02 | 9,500 | 10.7 | 0.40 | 33.8 | Rib |
| | 50x50x20 | MF50201V1-1Q03 | Vapo | 12 | 110 | 1.32 | 6,500 | 19.0 | 0.29 | 35.8 | Rib |
| | 60x60x15 | EF60151BX-Q01 | 2 Ball | 12 | 100 | 1.20 | 5,400 | 21.7 | 0.17 | 35.9 | Flange |
| | 60x60x15 | MF60151V1-1Q02 | Vapo | 12 | 105 | 1.26 | 4,700 | 26.4 | 0.18 | 34.2 | Rib |
| | 60x60x25 | EF60251BX-Q09 | 2 Ball | 12 | 150 | 1.86 | 6,000 | 27.8 | 0.35 | 40.5 | Flange |
| | 92x92x25 | GF92251B2-000 | 2 Ball | 12 | 300 | 3.60 | 4,200 | 70.0 | 0.30 | 45.0 | Flange |
| | 60x60x14 | MF60120V1-C23 | Vapo | 5 | 330 | 1.65 | 4,400 | 8.0 | 0.59 | 41.2 | |
| | 60x60x15 | MF60151VX-1B00 | Vapo | 12 | 130 | 1.56 | 4,500 | 6.2 | 0.71 | 37.7 | |
| | 70x71.3x18 | EF70181B1-C01 | 2 Ball | 12 | 29 | 3.48 | 5,000 | 12.1 | 0.78 | 44.0 | |

Note 1 : If you need special specification. Please contact SUNON sales.

Note 2 : Specifications in this catalog are for reference, please contact SUNON sales for further information such as quotation and lead time.

Note 3 : There is no notice in advance about any changes in specifications in this catalog, please refer to datasheet provided by SUNON sales.

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Thermal Solution

5G Networking Applications

Cooling Modules



Wi-Fi 6 Router

| Type | size (mm) | Model | Bearing | Rated Voltage (V) | Power Current (mA) | Power (W) | Speed (RPM) | Air Flow (CFM) | Static Pressure (Inch-H2O) | Noise (dB(A)) | Frame Type | |
|----------------|-----------|----------------|---------------|-------------------|--------------------|-----------|-------------|----------------|----------------------------|---------------|------------|--|
| Fan | 30x30x06 | MF30060V1-1D03 | Vapo | 5 | 112 | 0.56 | 9,100 | 4.9 | 0.17 | 23.6 | Rib | |
| | 30x30x10 | MF30100V2-1000 | Vapo | 5 | 80 | 0.40 | 9,500 | 4.7 | 0.17 | 21.0 | Rib | |
| | 35x35x10 | MF35100V2-1D02 | Vapo | 5 | 60 | 0.30 | 6,300 | 4.5 | 0.10 | 17.2 | Rib | |
| | 40x40x10 | EF40101BX-1Q07 | 2 Ball | 12 | 85 | 1.02 | 9,000 | 10.0 | 0.27 | 33.7 | Rib | |
| | 40x40x10 | EF40101B1-1Q17 | 2 Ball | 12 | 60 | 0.72 | 7,000 | 8.0 | 0.19 | 27.3 | Rib | |
| | 40x40x10 | MF40101V2-1Q03 | Vapo | 12 | 30 | 0.44 | 5,800 | 7.0 | 0.12 | 20.6 | Rib | |
| | 40x40x10 | MF40100V2-1D05 | Vapo | 5 | 42 | 0.21 | 5,000 | 4.9 | 0.09 | 19.6 | Rib | |
| | 40x40x10 | HA40101V4-1D07 | Vapo | 12 | 22 | 0.27 | 3,800 | 3.9 | 0.05 | 10.5 | Rib | |
| | 40x40x20 | EF40201BX-1Q05 | 2 Ball | 12 | 110 | 1.32 | 9,000 | 10.9 | 0.40 | 32.3 | Rib | |
| | 40x40x20 | EF40201BX-1Q03 | 2 Ball | 12 | 70 | 0.84 | 8,200 | 9.3 | 0.30 | 27.9 | Rib | |
| | 50x50x15 | MF50151V1-1Q01 | Vapo | 12 | 65 | 0.78 | 6,100 | 17.0 | 0.23 | 33.0 | Rib | |
| | 50x50x15 | EF50151B3-Q01 | 2 Ball | 12 | 36 | 0.48 | 3,700 | 9.6 | 0.09 | 19.5 | Rib | |
| | 50x50x15 | HA50151V4-1Q05 | Vapo | 12 | 18 | 0.22 | 3,200 | 7.7 | 0.07 | 15.4 | Rib | |
| | 50x50x20 | MF50201V1-1Q03 | Vapo | 12 | 110 | 1.32 | 6,500 | 19.0 | 0.29 | 35.8 | Rib | |
| | 60x60x15 | EF60151BX-Q01 | 2 Ball | 12 | 100 | 1.20 | 5,400 | 21.7 | 0.17 | 35.9 | Flange | |
| | 60x60x15 | MF60151V1-1Q02 | Vapo | 12 | 105 | 1.26 | 4,700 | 26.4 | 0.18 | 34.2 | Flange | |
| | 70x70x15 | MF70151V1-1Q01 | Vapo | 12 | 70 | 1.16 | 3,300 | 24.0 | 0.11 | 31.4 | Flange | |
| | Blower | 30x30x04 | EG30040S1-C07 | Sleeve | 5 | 450 | 2.25 | 11,200 | 0.5 | 0.33 | 27.0 | |
| | | 35x35x07 | EF35070S1-C01 | Sleeve | 5 | 127 | 0.64 | 7,000 | 1.1 | 0.30 | 25.5 | |
| | | 45x45x10 | MG45100V1-C06 | Vapo | 5 | 270 | 1.35 | 8,500 | 4.1 | 0.62 | 41.4 | |
| 65.5x65x05 | | EG50040S1-CG8 | Sleeve | 5 | 275 | 1.38 | 4,300 | 3.6 | 0.53 | 35.8 | | |
| 52.1x45.5x6.8 | | EF50060S1-C19 | Sleeve | 5 | 450 | 2.25 | 5,700 | 2.6 | 0.49 | 33.6 | | |
| 55x55x08 | | EG60070S1-C24 | Sleeve | 5 | 320 | 1.60 | 6,000 | 4.4 | 0.88 | 37.2 | | |
| 52.2x53.5x10.4 | | EF50101B2-C02 | 2 Ball | 12 | 75 | 0.90 | 4,600 | 4.1 | 0.44 | 28.9 | | |
| 60x60x12 | | MF60121V1-C01 | Vapo | 12 | 170 | 2.04 | 4,000 | 5.4 | 0.52 | 28.5 | | |
| 60x60x15 | | MF60151VX-1B00 | Vapo | 12 | 130 | 1.56 | 4,500 | 6.2 | 0.71 | 37.3 | | |
| 70x71.3x18 | | EF70181B1-C08 | 2 Ball | 12 | 375 | 4.50 | 5,000 | 14.7 | 0.81 | 43.5 | | |

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Switch/Router

| Type | System | size (mm) | Model | Bearing | Rated Voltage (V) | Power Current (mA) | Power (W) | Speed (RPM) | Air Flow (CFM) | Static Pressure (Inch-H2O) | Noise (dB(A)) | Frame Type |
|------------|----------|----------------|----------------|---------|-------------------|--------------------|-----------------------------|-------------|----------------|----------------------------|---------------|------------|
| Fan | 1U | 38x38x28 | PF38281BX-Q12 | 2 Ball | 12 | 820 | 9.84 | 25,000 | 26.0 | 3.19 | 62.7 | Rib |
| | | 38x38x28 | VF38281BX-000 | 2 Ball | 12 | 870 | 10.44 | 27,000 | 24.2 | 3.56 | 61.6 | Rib |
| | | 40x40x20 | EF40201BX-1Q03 | 2 Ball | 12 | 60 | 0.72 | 8,200 | 9.3 | 0.30 | 27.9 | Rib |
| | | 40x40x20 | EF40201BX-1Q05 | 2 Ball | 12 | 78 | 0.85 | 9,000 | 11.0 | 0.39 | 32.1 | Rib |
| | | 40x40x20 | EF40201BX-1Q12 | 2 Ball | 12 | 255 | 3.06 | 15,000 | 17.9 | 0.90 | 46.3 | Rib |
| | | 40x40x20 | PF40201BX-1Q02 | 2 Ball | 12 | 480 | 5.90 | 19,000 | 22.3 | 1.57 | 49.0 | Rib |
| | | 40x40x28 | PF40281B1-000 | 2 Ball | 12 | 510 | 6.12 | 17,600 | 24.9 | 1.95 | 56.0 | Flange |
| | | 40x40x28 | PF40281BX-D30 | 2 Ball | 12 | 1150 | 13.80 | 23,000 | 31.6 | 3.25 | 62.0 | Rib |
| | | 40x40x28 | VF40281BX-Q73 | 2 Ball | 12 | 2100 | 25.20 | 27,000 | 37.3 | 4.58 | 63.4 | Rib |
| | | 40x40x28 | VF40284BX-1Q01 | 2 Ball | 48 | 470 | 22.56 | 27,000 | 38.8 | 4.56 | 64.8 | Rib |
| | 40x40x56 | PF40561BX-Q10 | 2 Ball | 12 | 2000 | 24.00 | 23,300 (in) 20,300 (out) | 34.8 | 4.31 | 71.4 | Flange | |
| | 40x40x56 | XF40561BX-Q15 | 2 Ball | 12 | 2500 | 30.00 | 30,000 (in) 27,000 (out) | 33.3 | 7.84 | 71.6 | Flange | |
| | 40x40x56 | XG40561BX-1Q31 | 2 Ball | 12 | 3100 | 37.20 | 30,000 (in) 27,500 (out) | 40.1 | 9.40 | 75.4 | Flange | |
| | 60x60x38 | VF60381BX-000 | 2 Ball | 12 | 1900 | 22.80 | 22,800 | 67.8 | 4.84 | 64.1 | Flange | |
| | 60x60x38 | VF60384BX-1000 | 2 Ball | 48 | 460 | 22.08 | 22,800 | 67.8 | 4.84 | 64.1 | Flange | |
| | 60x60x56 | VG60561BX-Q17 | 2 Ball | 12 | 4600 | 55.20 | 19,200 (in) 19,200 (out) | 80.5 | 6.43 | 80.2 | Flange | |
| | 60x60x76 | PF60761BX-000 | 2 Ball | 12 | 2800 | 22.60 | 18,200 (in) 14,700 (out) | 73.2 | 3.96 | 68.6 | Flange | |
| | 80x80x80 | PF80804BX-Q03 | 2 Ball | 48 | 1300 | 62.40 | 13,500 (in) 11,000 (out) | 145.2 | 5.13 | 76.0 | Flange | |
| | 80x80x86 | VF80861BX-Q03 | 2 Ball | 12 | 6900 | 82.80 | 14,500 (in) 14,300 (out) | 151.0 | 7.56 | 81.7 | Flange | |
| | 4U | 92x92x38 | PF92384BX-Q07 | 2 Ball | 48 | 1200 | 57.60 | 13,500 | 192.5 | 3.37 | 72.3 | Flange |
| 120x120x38 | | PFC0384BX-Q08 | 2 Ball | 48 | 1350 | 64.80 | 6,600 | 266.5 | 1.93 | 68.9 | Flange | |
| 120x120x38 | | XGC0381BX-Q02 | 2 Ball | 12 | 4700 | 56.40 | 9,000 | 207.0 | 2.86 | 73.0 | Flange | |
| 120x120x76 | | XGC0764BX-Q10 | 2 Ball | 50 | 3900 | 195.00 | 12,400 (in) 13,600 (out) | 358.2 | 10.66 | 84.6 | Flange | |
| Blower | | 97x97x33 | PF97331B1-C18 | 2 Ball | 12 | 1300 | 15.60 | 5,400 | 44.2 | 3.39 | 58.0 | |

Note 1 : If you need special specification. Please contact SUNON sales.

Note 2 : Specifications in this catalog are for reference, please contact SUNON sales for further information such as quotation and lead time.

Note 3 : There is no notice in advance about any changes in specifications in this catalog, please refer to datasheet provided by SUNON sales.

Thermal Solution

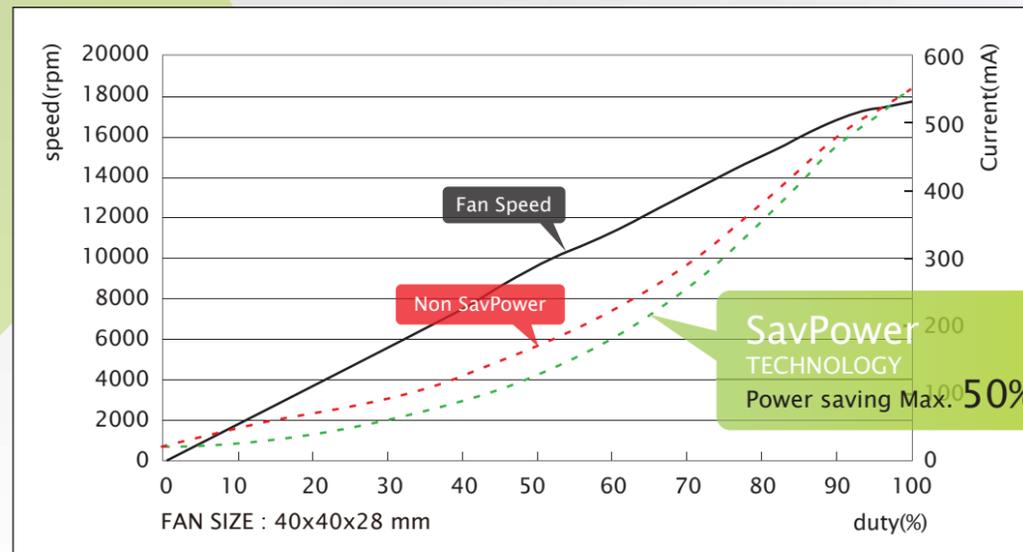
5G Networking Applications

Cooling Modules

In combination with power-saving and smart technologies, SUNON offers the best 5G fan solution with high thermal effectiveness and low vibration and less noise for 5G application.

More Power-saving

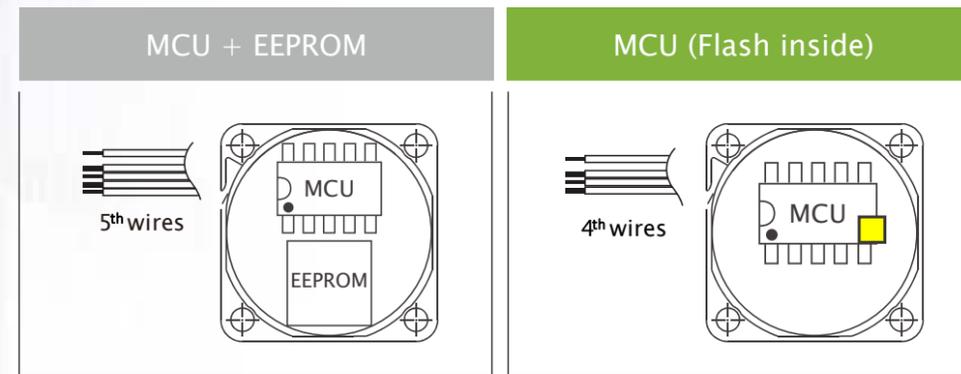
- > By using SUNON's power saving circuit optimization technique, the fan motor's conversion efficiency reduces energy consumption when the fan speed decreases.
- > Compared to other PWM fans, the power-saving fan series is an efficient cooling component to use, saving max 50% power.



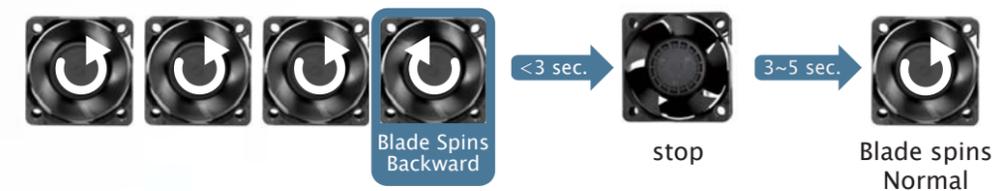
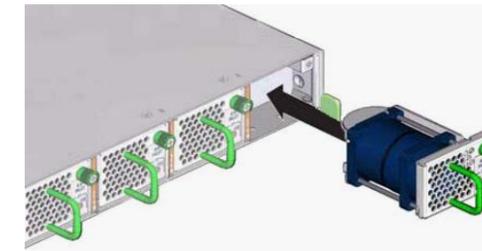
Intelligence

- > EEPROM or MCU increase fan service life.
- > Adopting an anti-reverse-rotation braking design, fans are guaranteed not to rotate in reverse while operating under high back pressure, so that the fans sustain their thermal effectiveness.
- > By using smart technology, the needs for high thermal effectiveness of high-speed transmission of data by 5G applications are met and 24-hour operating IOT system is secure.

Record Output



Hot Swap Braking Function



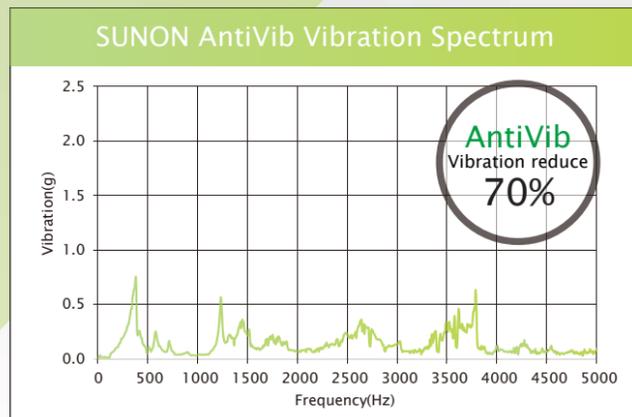
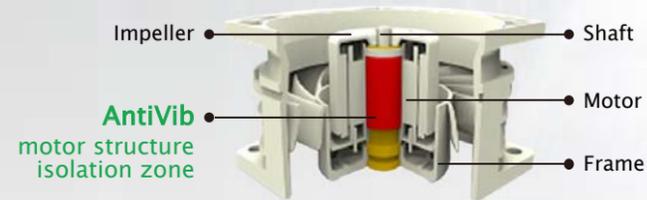
Thermal Solution 5G Networking Applications Cooling Modules

In combination with power-saving and smart technologies, SUNON offers the best 5G fan solution with high thermal effectiveness and low vibration and less noise for 5G application.

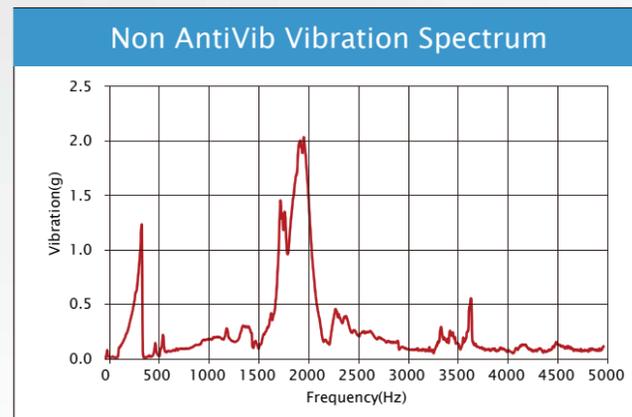
Low Vibration

AntiVib motor structure:

- > Effectively lowers the vibration level while the fan is rotating quickly.
- > Widely applied in fans with over 20,000RPM, it has an up to a 70% reduction in the vibration level that sustains a steady thermal function without interruption.



FAN SIZE : 60x60x38 mm



Less Noise

- > The sources of the noises by mini fans are from blade passing, pole passing, and broadband noise.
- > With a great deal of experience in noise cancellation, we advance our own geometric design of fan blades to improve pressure distribution of air inlet and outlet, so that the fan noise can be reduced at specific bandwidths, (i.e. between 4,000Hz and 20,000Hz with a 6.7B(A) reduction in the noise).

