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No.02
July 2018

Liquid Cooling News

Content

Coolant

01 Cool with Coolant

Coolant Cooling is required to remove the waste heat produced by computer components, to keep components within permissible operating temperature limits.

Thermaltake high performance coolant is made in Germany, virtually odorless and non-flammable, plus it features anti-corrosion protection and heat-transfer medium for PC water-cooling and superb protection for copper, nickel, brass, and aluminum. Create your own coolant color and experience the excitement of color mix & match.

When ... **Meets** ...

Thermaltake
C1000 Opaque

= Decide the mix ratio on your own to create a preferred coolant color and be an artiste in no time!

Be a Coolant Artist

Color Mix Matching

» Pour TT Premium Concentrate into the reservoir filled with Thermaltake C1000 Opaque/ Pure Clear Coolant.

» The more TT Premium Concentrate you add, the stronger the color will appeal.

» The standard recommendation is to use a mix of 50ml TT Premium Concentrate and 950ml Thermaltake C1000 Pure Clear Coolant.

《 Mix With C1000 Opaque Coolant White 》

《 Mix With C1000 Pure Clear Coolant 》

Glow Your System Under UV Light with TT Premium Concentrate Ice Blue

» Pour TT Premium Concentrate Ice Blue into the reservoir filled with Thermaltake C1000 Pure Clear Coolant.

» The more TT Premium Concentrate Ice Blue you add, the stronger the color will appeal.

» The standard recommendation is to use a mix of 50ml TT Premium Concentrate Ice Blue and 950ml Thermaltake C1000 Pure Clear Coolant.
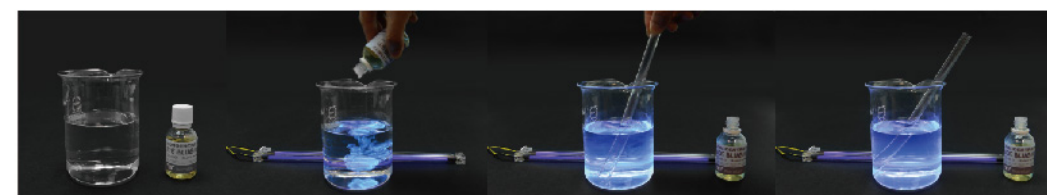
《 Mix With C1000 Pure Clear Coolant 》
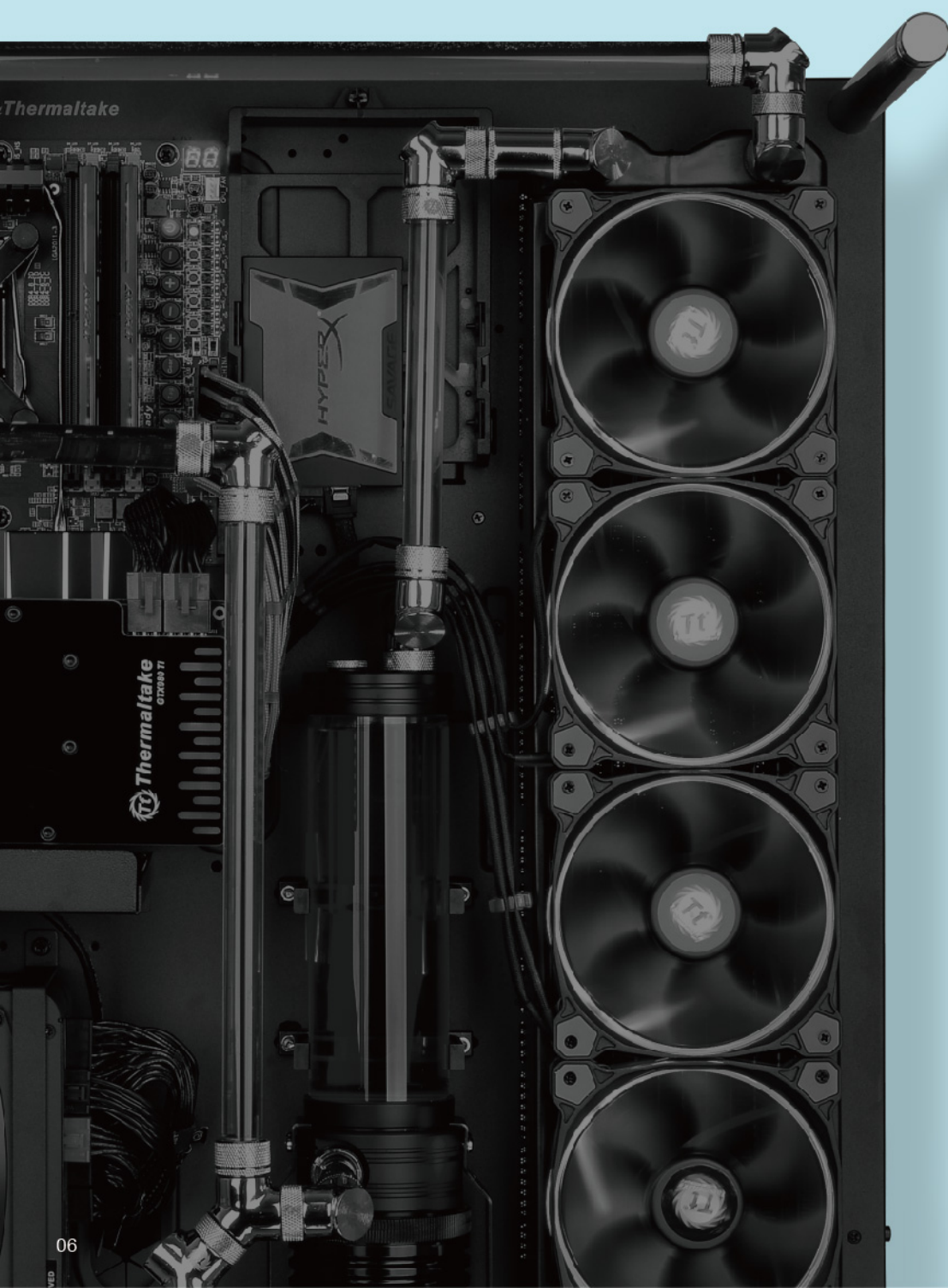
02 How LCS Works

Understanding
Liquid Cooling System in Minutes !

Step 1

Fill the coolant in the reservoir. Pure water's thermal conductivity is about 30 times greater than air and takes a lot longer for the temperature of water to rise compared to air. Water is the main transfer medium for Liquid cooling.

Step 2

The Pump will circulate the coolant within your loop starting from the pump and carried through to your heat source(s) i.e. CPU/GPU
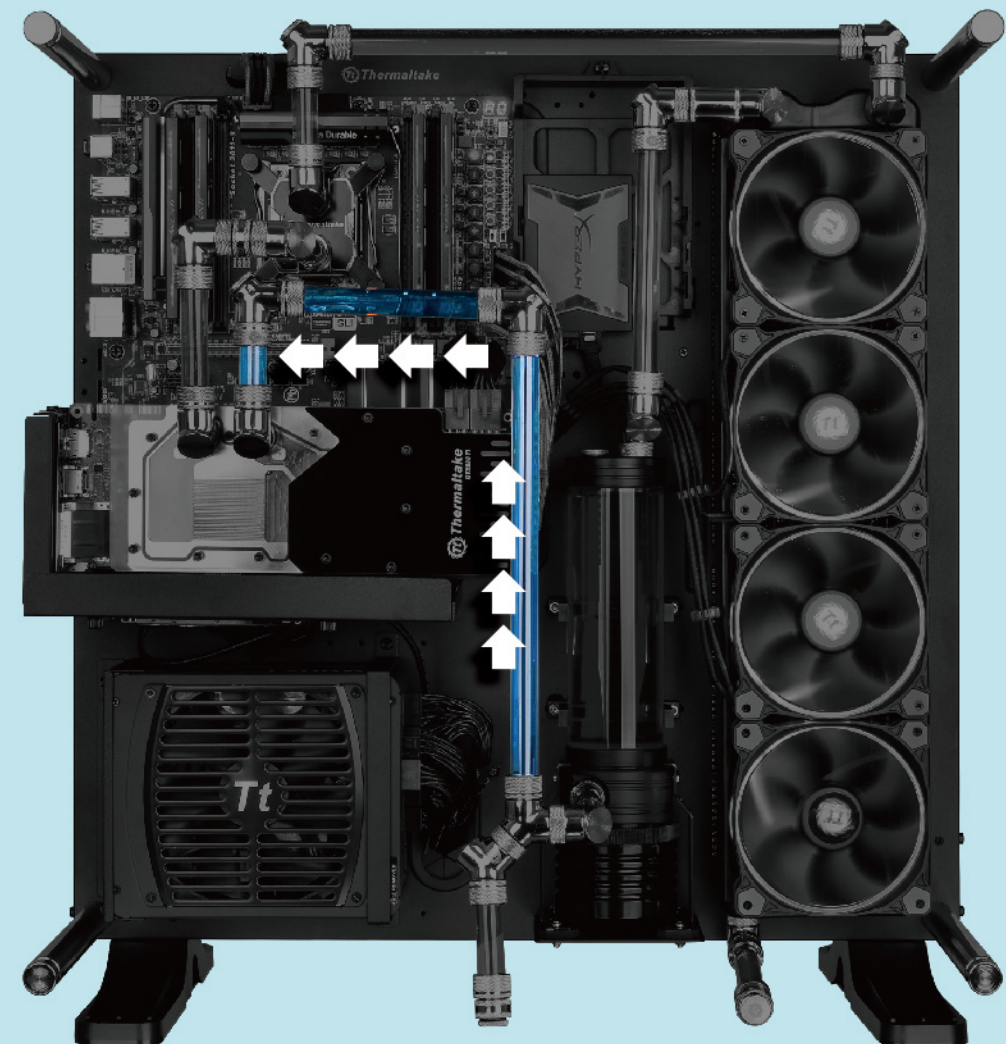
Step 3

When the coolant reaches your heat source the waterblock dissipates the congested heat from the source into the coolant via the micro channels in the waterblock.

Step 4

The coolant continues to circulate transferring the heat from the source to the radiator. The radiator spreads the water out into the cooling fins dissipating the heat evenly allowing a bigger surface area for heat extraction.

Step 5

Then finally the fans secured on the radiator exhausts the heat trapped in the radiator fins cooling down the water and dissipating the heat into the air.

Step 6

After most the heat is extracted on your radiator by fans, the coolant will continue to flow back into the reservoir making a complete loop.

03 SyncALL, Say "Hello TT" Build An Intelligent LCS System

Following from the previous Thermaltake Liquid Cooling News, this time we're going to focus on the processes of setting up an intelligent water-cooled system, and the installation of TT TGB PLUS software & app. So now let's have a look.
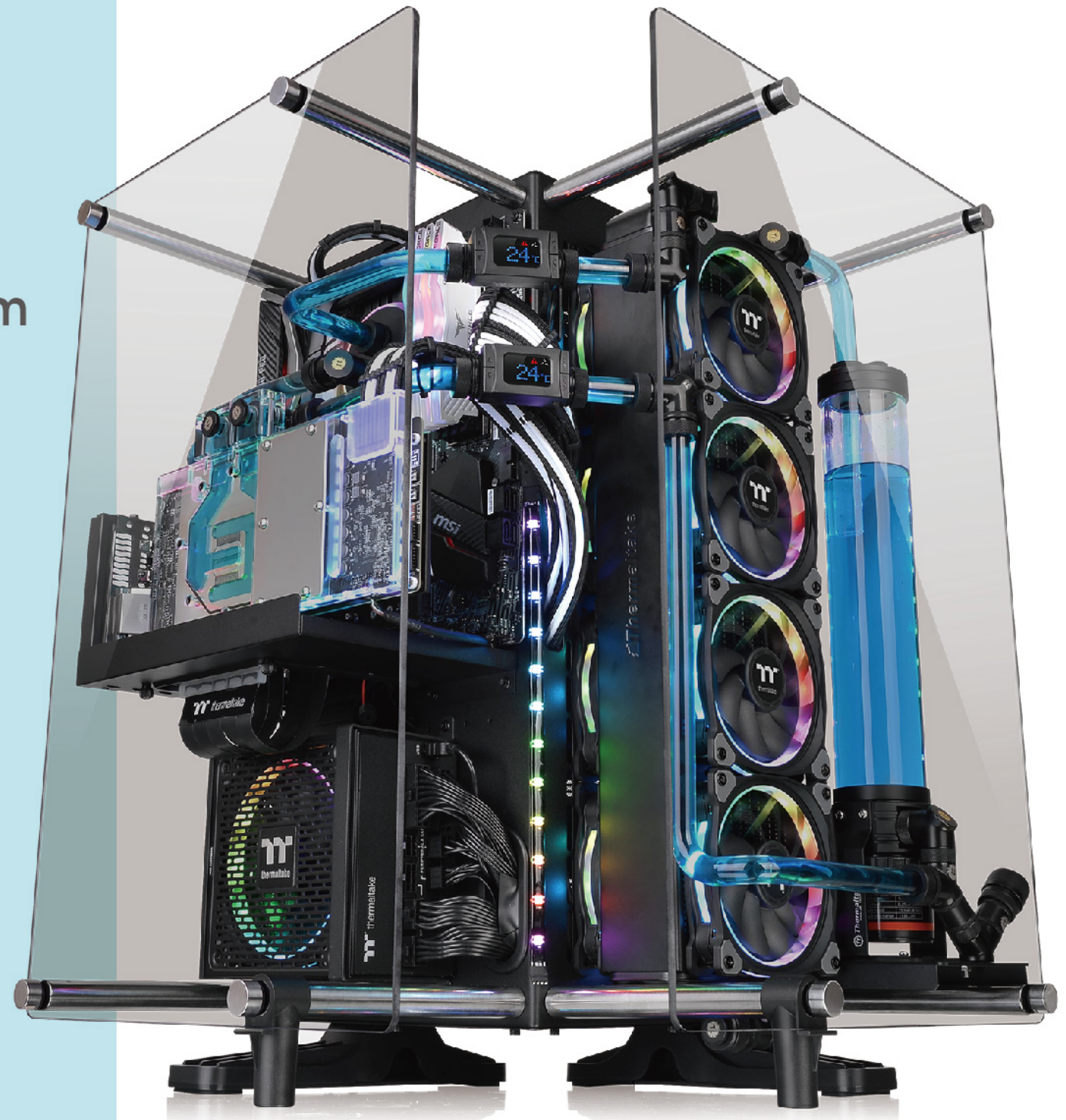
1. Choose a Case

Case sizes can be generally categorized as Super Tower, Full Tower, Mid Tower, Mini Case and Cube Case. To create your dream liquid cooling system, it is ideal to have a chassis designed with liquid cooling in mind. Usually it comes with plenty of space on the inside, at least one transparent side panel, and a large fan grate on the top or bottom.

The most popular choice is mid-tower chassis, which comes with enough room for full size ATX motherboard, water-cooling components installation, several hard drives and optical drives, and expansion slots. You can also consider a super-tower case, or a full-tower one if you're going to use a larger motherboard, such as XL-ATX and E-ATX. For those who opt for a smaller case, then mini cases and cube cases are great choices.

VIEW 91 TG RGB EDITION	LEVEL 20 TG EDITION	VIEW 37 RGB	CORE P1 TG EDITION	CORE X5 TG EDITION
SUPER TOWER CHASSIS	**FULL TOWER CHASSIS**	**MID TOWER CHASSIS**	**MINI-ITX CASE**	**CUBE CHASSIS**

2. Choose a CPU

Your choice of CPU largely depend on your workloads that can be generally divided into two types: single-threaded and multi-threaded. Single-threaded workloads include tasks like browsing websites and word processing. Multi-threaded workloads mainly involve more complicated tasks, such as gaming, photo editing, video encoding and rendering, and usually do better on CPUs that have multiple cores.

Intel® Core™ i7   AMD® Ryzen™

3. Choose a GPU

There are two main types of graphic cards: gaming-oriented cards and workstation-oriented cards. Gaming cards are applied to deliver the best frame rates from games at the most realistic details settings, and the highest resolutions. Meanwhile, workstation cards are made for maximum stability and precision, and are specifically optimized for 3D rendering workloads.

NVIDIA® GeForce® GTX 1080 Ti   ASUS® ROG Strix GeForce GTX 1060 OC

4. Choose a Motherboard

The most common motherboard sizes come in Mini-ITX, Flex-ATX, Micro-ATX, ATX, E-ATX and W-WTX. The motherboard you select should be compatible with your processor, memory and the most of your other components.

ATX Motherboard Size Comparison

- FlexATX
- MicroATX/EmbeddedATX
- Mini ATX
- Standand ATX
- Extended ATX (EATX)
- Workstation ATX (WATX)
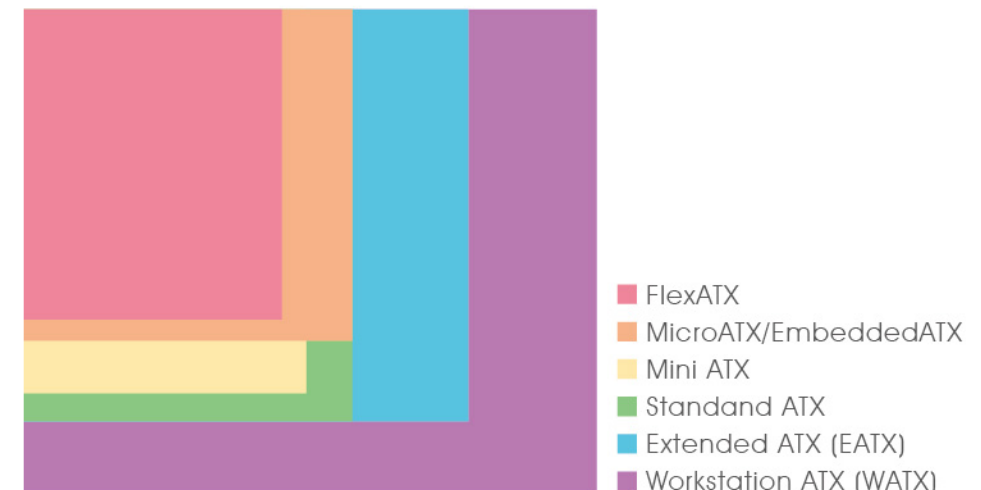
MSI Gaming B250 GAMING M3 ATX Motherboard   **GIGABYTE GA-AB350M-Gaming 3 Micro ATX Motherboard**

5. Select a TT RGB PLUS Syncable Product

In this part, we're going to be having a look at the syncable products that can be used as liquid cooling components. So we've chosen 6 product categories, including CPU Water Block, VGA Water Blocks, Pump + Reservoir, Radiator, Case Fans and Accessories, from the list of TT RGB PLUS syncable products mentioned in the previous chapter.

PACIFIC W4 PLUS CPU WATER BLOCK

Software-controlled waterblock with a 16.8M colors LED ring, 0.15mm internal fin construction, anti-corrosive nickel plating and universal mounting mechanism.

PACIFIC V-GTX 1080TI PLUS TRANSPARENT VGA WATER BLOCK

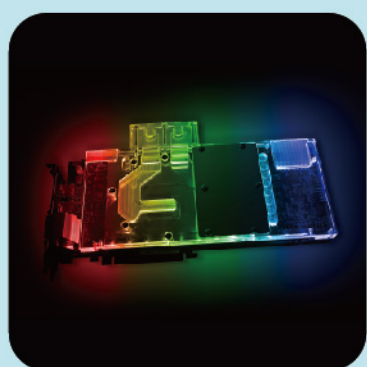Digital waterblock for ASUS ROG STRIX GTX 1080 Ti and MSI GTX 1080 TI GAMING X with a 16.8M colors LED strip, CNC machined copper base and high quality PMMA top.

PACIFIC PR22-D5 PLUS RESERVOIR/PUMP COMBO

300ml reservoir and D5 pump combo unit with a digital 16.8M colors LED cap.

PACIFIC RL360 PLUS RGB RADIATOR

High-performance 360mm radiator with flat tube design and a software-controlled 16.8M colors LED strip.

PURE PLUS 12 RGB TT PREMIUM EDITION

120mm PWM controlled fan with a digital 16.8M colors LED ring and TT RGB PLUS software.

RIING PLUS 20/14/12 RGB TT PREMIUM EDITION

PWM controlled fan with a patented 16.8M colors LED ring and TT RGB PLUS software. Available in 200mm, 140mm and 120mm.
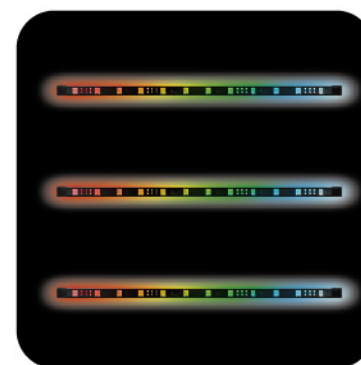
PACIFIC LUMI PLUS LED STRIP 3PACK

Digital 16.8M colors LED strip control pack with magnet installation solution.

PACIFIC RAD PLUS LED PANEL

Digital 16.8M colors LED strip for Pacific RL Series and CL Series 360mm radiators.

6. Select Your LCS Components

Coolant

Select your own coolant color or create your own color through mixing Thermaltake C1000 Coolant Series with TT Premium Concentrate Coolant Series. The coolant puts color to your loop allowing you to match your build theme. If you want your system to glow under UV light, TT Premium Concentrate Ice Blue would be a cool choice.

CPU/GPU Water blocks

Water blocks come in a few different variations, the block is usually installed on a heat source such as CPU or GPU allowing maximum heat extraction. Liquid cooling performance is determined by the material of their base plate and micro-channel design.

If you are looking for a waterblock that strengthens the appealing for your build, Pacific W4 RGB provides the ultimate in cooling performance and delivers extreme compatibility for custom PC builders.

Pump & Reservoir

Choose the size of reservoir to fit your needs. Size usually is not entirely important although by having a bigger reservoir the pump is less likely to run dry and wear down.

Fittings

Fittings come in all shapes and sizes from angles, extenders to compression fittings. They are the connection between the blocks, radiators and tubes, such as Pacific C-PRO Series compression fittings. The most popular sizes are 16mm OD and 12mm OD. The outside diameter is what you look for when choosing the type of fittings.

Radiators

Radiators come in all sizes, usually in fan sizes like 120mm or 140mm variations. Sizes are chosen depending on your chassis and fan mounting points. Thermaltake provides a wide range of radiators with excellent quality and superior performance, such as Pacific CL Copper Radiator Series.

Tubing

Tubing comes in various sizes and textures to match the outside diameter (OD) of the fittings you have selected. You can first choose the fittings and then select the matching tubing, or vice versa.

Two popular types of tubes are soft tubes and hard tubes. Hard tube gives clean and well organized look but the bending requires more experience with custom LCS and will need additional tools such as a bending kit and a heat gun.
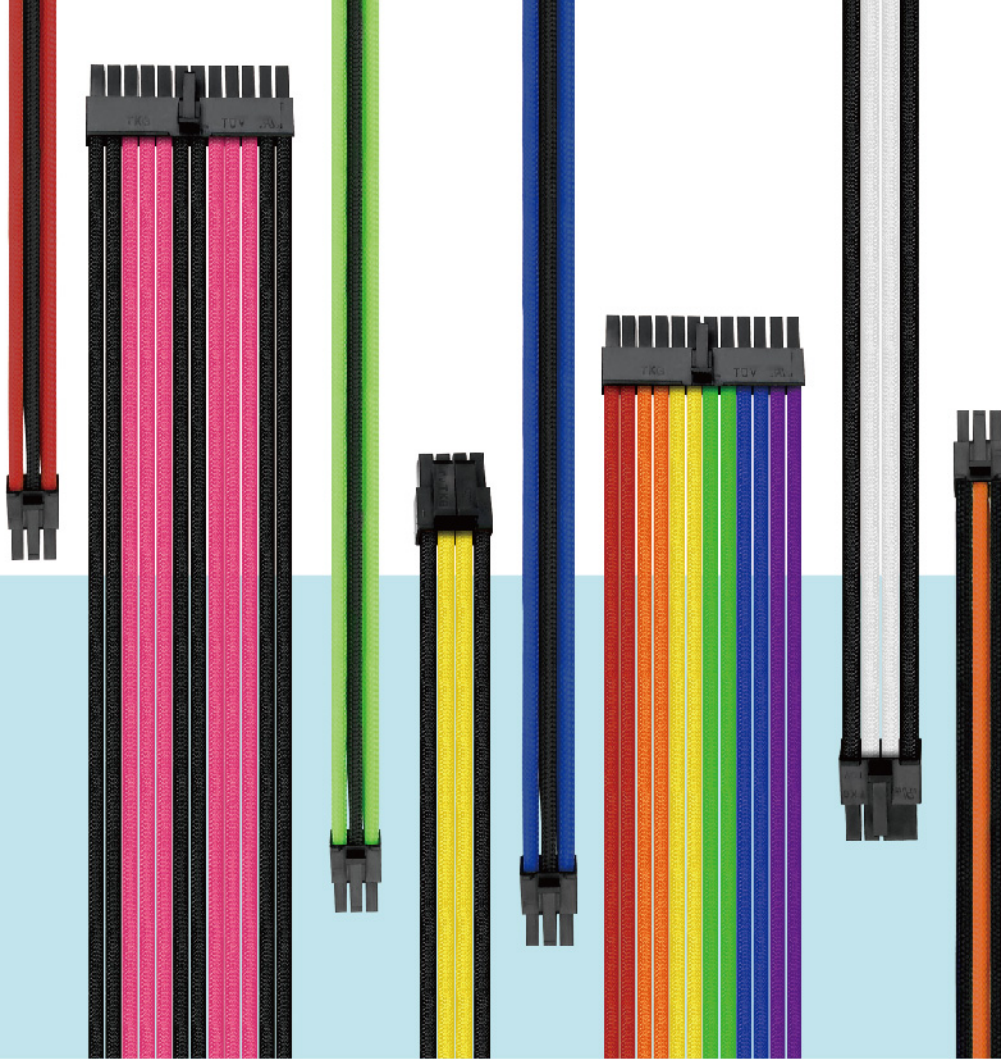
7. Select Sleeve Cables

To enhance the aesthetics of your build, you can pick TtMod Sleeve Cable, which is sleeved with the heatshrinkless sleeving method and comes in three-layered design: Outer ultra-density weaving, the middle insulating layer with acid and alkali-resistance, fuel resistance, damp proof, and mildew proof features, and inner certified 16 AWG wire.

8. Select A Power Supply

The power supply powers all the components in your computer. Some cases are preinstalled with a power supply already installed, but others require you to provide your own. Builders must find a power supply that is able to handle the load, quality-made, fits their case, and has all the required cable ends.

9. How to Install TT RGB PLUS Software & App

CONTROLLER CONFIGURATION

For lighting up the TT RGB PLUS syncable products in your system, the first thing you need to do is assign a number for each controller.

All products come with a digital lighting controller that is designed with a DIP switch on the back. The coding guide is also included in all packs. Simply follow the steps written in the guide, then you will be able to set a number for your controllers. You can connect up to 16 controllers to TT RGB PLUS software.

WHAT IS TT RGB PLUS ECOSYSTEM?

TT RGB PLUS Ecosystem is the intelligent lighting system for PCs that combines the most advanced addressable LED lighting with Thermaltake's patented TT RGB PLUS Software. TT RGB PLUS ecosystem provides nearly unlimited possibilities for playing with colors, synchronizing lights to games, music, CPU temperatures or other TT RGB PLUS products, including case fans, CPU/VGA waterblocks, AIO CPU coolers, PSUs, LED strips and peripherals. The patented software allows users to change the light modes, colors, speeds, brightness, fan speeds, and even supports AI voice control in iOS and Android devices.

*Functions vary by product.

TT RGB PLUS SOFTWARE
Thermaltake's patented software to synchronize TT RGB PLUS products with addressable LEDs.

Download on the App Store
ANDROID APP ON Google play

DOWNLOAD TT RGB PLUS SOFTWARE

TT AI VOICE CONTROL
Give you full control over the TT RGB PLUS products with your voice.

Download on the App Store
ANDROID APP ON Google play
Coming soon...

HOW TO DOWNLOAD TT RGB PLUS SOFTWARE

Your second task is to download the software from http://ttrgbplus.thermaltake.com/

Alternatively, you can search "Riing Plus RGB" on Thermaltake official website, and download the software from there.

TT RGB PLUS SOFTWARE PROFILE SETTING

Conveniently control all TT RGB PLUS syncable products and customize the lights at the same time by setting up to five profiles for each controller.

Each controller your system connected is displayed at the top left of the interface for you to quickly access. Within each profile, you can check which product is set to what operating speed and lighting effect. You can even "SAVE" and apply the settings to other controllers your system is running.

HOW TO DOWNLOAD TT RGB PLUS APP

The final step is to install TT RGB PLUS app on your phone and connect it to TT RGB PLUS software. The app is now available on APP Store and Google Play. All you need to do is typing "TT RGB PLUS" on the search column.

For the app and TT AI Voice Control to work, your mobile phone is required to connect to WI-FI. When you turn on the app, you will find the settings menu on the side of the screen where the number of each profile and the number of each controller are displayed.
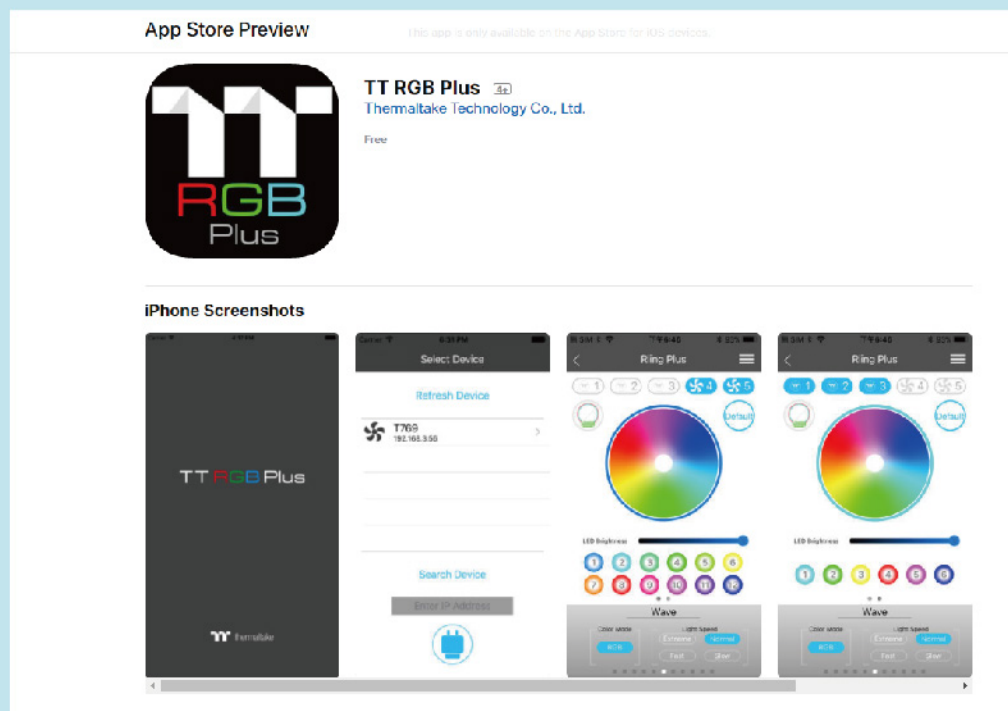
SAY "HELLO TT",
TT AI VOICE CONTROL

You can find the voice control function on the app by swiping the lighting modes panel at the bottom of the screen. To enable the function, all you need to do is simply pressing the microphone button, then saying the commands, such as "Hello TT".

Download on the **App Store**

ANDROID APP ON **Google** play

You can say...

White Color
Ripple
Normal
RGB Spectrum
Blink

Back

Controller

LED Brightness

1 2 3 4 5 6
7 8 9 10 11 12

Full Lighted

Color Mode
RGB
Single

Light Speed
So Fast   Normal
Fast   Slow

thermaltake

04 Cool Your System with Thermaltake LCS Components
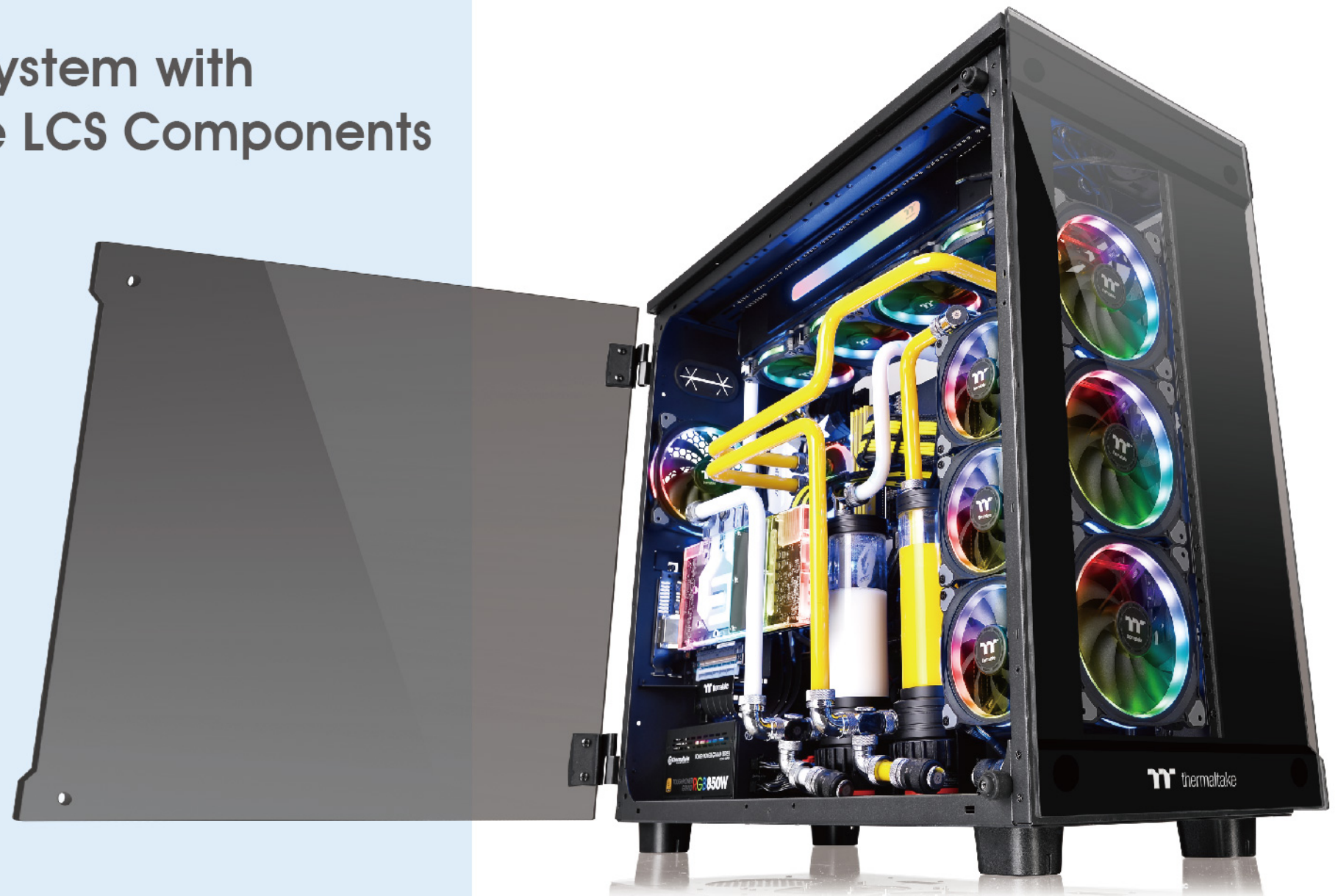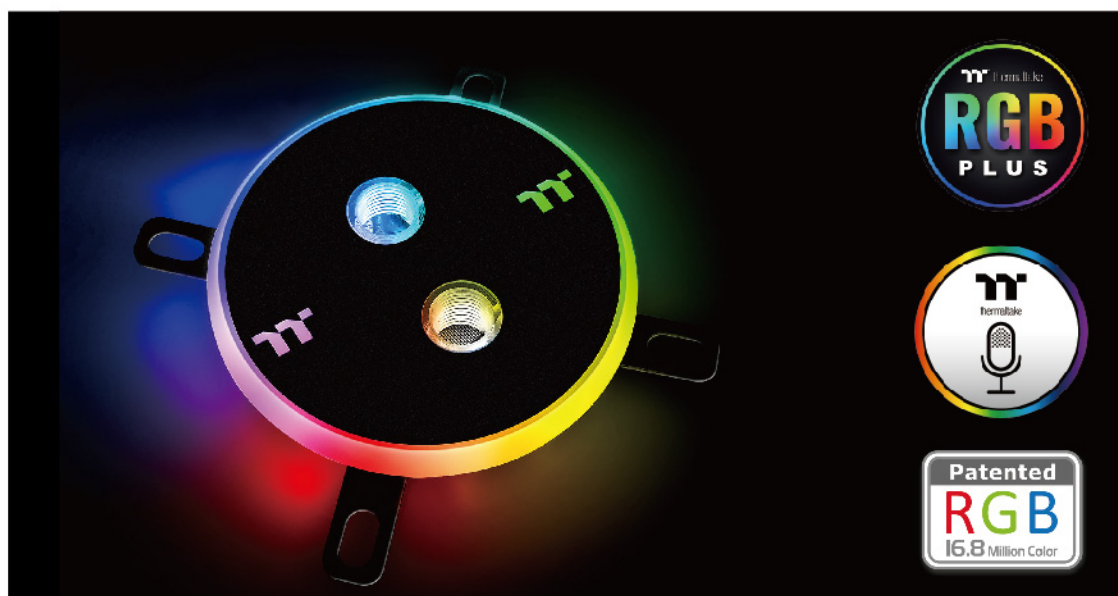
PACIFIC W4 PLUS CPU WATER BLOCK

The high-performance water block comes with a 16.8 million colors LED ring and 12 addressable LEDs, all of which is supported by TT RGB PLUS Software and TT AI Voice Control. The water block also features 0.15mm internal fin construction, a copper base with anti-corrosive nickel plating and high-quality PMMA cover, and a universal mounting mechanism that offers error-free as well as no-tools installation. Fits with most G1/4 fittings, the Pacific W4 Plus provides the ultimate in cooling performance, and delivers extreme compatibility for custom PC builders.

PACIFIC V-GTX 1080TI PLUS TRANSPARENT
(ASUS ROG & MSI GAMING X)

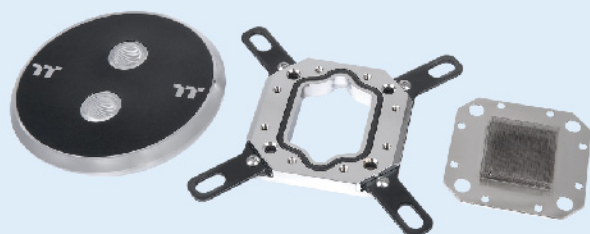The Pacific V-GTX 1080Ti Plus Transparent Series is a full-cover water block for ASUS ROG STRIX GTX 1080 Ti and MSI GTX 1080 TI GAMING X, manufactured with a software-controlled 16.8 million colors LED strip, CNC machined copper base, 0.5mm internal fin construction, and an aluminum alloy backplate. The water block fits most of G1/4 fittings, utilizes a universal mounting mechanism that offers tool-less installation, along with compatibility for custom PC builders. The Pacific V-GTX 1080Ti Plus offers the ultimate cooling performance for gaming, overclocking or other GPU intense tasks.

PACIFIC CL COPPER RADIATOR SERIES

PACIFIC RL RADIATOR SERIES

The Pacific CL Series is a high-performance copper radiator series with high-density copper fin design and brass tank. Available in 360mm, 420mm and 480mm, the radiators are manufactured from premium-quality materials that provide exceptional performance, unrivalled reliability. The unique stainless steel side panels guarantee the durability as well as reduce the weight of the radiator. Integrated G1/4" threads make it easy to install, while rigid connections ensure leak-resistant measures are in place. With an ideal mounting, fitting and flow set-up, the Pacific CL Series satisfies your cooling needs in every way.

The Pacific RL Series introduces high-quality radiators to deliver outstanding water cooling performance for the enthusiast's PC. Manufactured from high-quality German zinc alloy aluminum and aerospace-grade materials, configurations of 120mm, 140mm, 240mm, 280mm, 360mm, 420mm, 480mm and 560mm are available to provide exceptional performance. Integrated G1/4" threads make it easy to install, while rigid connections ensure leak-resistant measures are in place. With an ideal mounting, fitting and flow set-up, the Pacific RL Series meets your cooling needs in every way.

High-Quality Copper Radiator Design

- Triple-Row Copper Flat Tubes Design
- Brass Tank
- High-Density Copper Fins
- 64mm Thickness Radiator
- Copper Chambers and Housing
- 2 Stainless Steel Side Panels
- Brass Tank

Corrosion Potentials (mV vs. SCE) after Brazing

Decrease by 55.6%

Aluminum
Aluminum Alloy + Zinc

-740   -1670   SCE
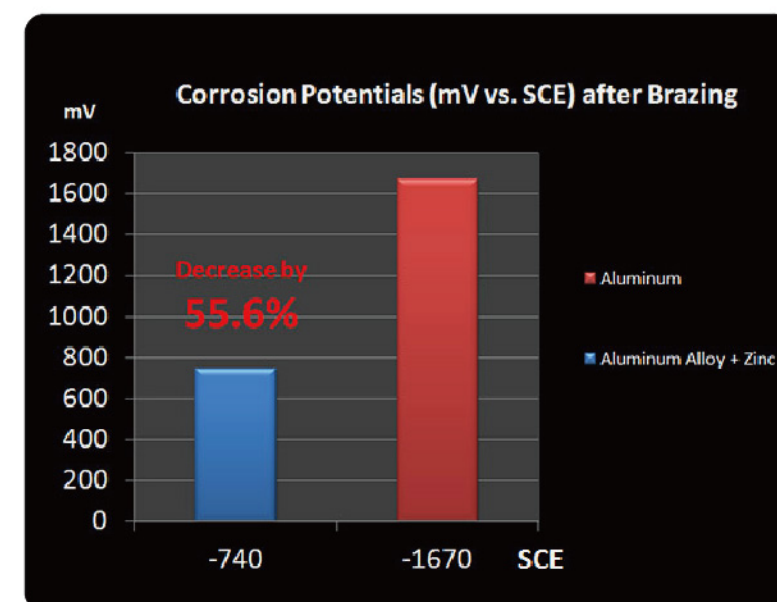
V-TUBLER PETG TUBE SERIES

Manufactured from premium PETG, the V-Tubler rigid tubing allows users to route the tubes runs exactly to their heart's content. Designed with 16mm and 12mm OD PETG tube adapter fittings, give users better mounting, easier fitting, and ideal flow. Choose from: 500mm and 1000mm to make your system a showcase for all to see with the Thermaltake V-Tubler water tubing.

V-Tubler PETG Tube 5/8" (16mm) OD

V-Tubler PETG Tube 12mm OD 10mm ID

PACIFIC C-PRO G1/4 PETG TUBE 16MM OD COMPRESSION FITTING SERIES

The Pacific C-Pro Series is a revolution in fitment design. It simplifies the process of setting up a liquid-cooling loop and provides a seal that outperforms traditional compression fittings. By using 4 preinstalled O-rings and an overhauled design, the C-Pro Series is the new standard in fitment technology and it is exclusive to Thermaltake. Available in 6 colors: red, green, blue, white, black and chrome.

05 LCS System Setup Tips

Which side of the fan should face outside? Is the front side? Or the rear side? Many of you may have ever thought about those questions when mounting a fan onto your radiator. So our in-house TT LCS Team will guide you through the basic knowledge you need to know before installing your radiator fan.

Due to limited budget or limited space inside the case, most of users tend to mount radiator fans onto one side of the radiator, and use the fans for push hot air out of the system via the radiator. So now the question is which side of the fan should face inside your system when mounting it onto the radiator?

Front Side

Rear Side

If you look at the fan, you may notice that the front side of fan is open with fan blades curving outward, whereas the rear side comes with the protective grille. The front side of the fan will generate air and expel it via the side with the protective grille. In other words, air flows across the front side toward the rear side.

Air Flows in

As a result, when installing your radiator fans, the front side should face outside the radiator for extract heat from the components and bring heated air out the case through the radiator.

Air Flows out

"To Maintain Efficient Cooling Performance, the Front Side of the Fan Should Face Outside the Radiator."

– TT LCS Team

06 Meet TT RGB PLUS Ecosystem

TT RGB PLUS Ecosystem is the intelligent lighting system for PCs that combines the most advanced addressable LED lighting with Thermaltake's patented TT RGB PLUS Software. TT RGB PLUS ecosystem provides nearly unlimited possibilities for playing with colors, synchronizing lights to games, music, CPU temperatures or other TT RGB PLUS products, including case fans, CPU/VGA waterblocks, AIO CPU coolers, PSUs, LED strips and peripherals. The patented software allows users to change the light modes, colors, speeds, brightness, fan speeds, and even supports AI voice control in iOS and Android devices.

TT RGB PLUS ECOSYSTEM

SyncALL, Say "Hello TT"

Say "Hello TT"
TT AI Voice Control

Talking to TT RGB PLUS App is an easier, faster way to set lights for your systems. You can ask it to turn the lights on or off, switch lights modes, dim the lights, change light colors, or adjust lights speeds or fan speeds. Give you full control over the TT RGB PLUS products with your voice. Just say "Hello TT".

Download on the App Store

ANDROID APP ON Google play

You can say...

One Two Three
Hello Gigabyte
End
Turn on
Hello AMD

Back

You can say...

White Color
Ripple
Normal
RGB Spectrum
Blink

Back

You can say...

Pulse
Green Color
Slowly
Fast
End

Back

Fun with TT RGB PLUS Software

Thermaltake's patented software to synchronize TT RGB PLUS products with addressable LEDs. Customize the lights, monitor the fan performance, and adjust the fan speeds all from your PC.

Taiwan Patent: 105216989

TT RGB PLUS Ecosystem Syncable Products

AIO LIQUID COOLERS

CASE FANS

POWER SUPPLY UNITS

CHASSIS

CPU WATER BLOCK

RGB PLUS
thermaltake

VGA WATER BLOCKS

KEYBOARDS

RADIATOR

PUMP + RESRVOIR

ACCESSORIES

MICE

HEADSETS

TT RGB PLUS Ecosystem Landing Page:

http://ttrgbplus.thermaltake.com/

AIO LIQUID COOLERS
Floe Riing RGB 360/280/240

PUMP + RESERVOIR
Pacific PR22-D5 Plus

RADIATORS
Pacific RL360 Plus RGB

WATER BLOCKS
Pacific W4 Plus
Pacific V-GTX 1080Ti Plus
Transparent (ASUS ROG)
Pacific V-GTX 1080Ti Plus
Transparent (MSI GAMING X)

CASE FANS
Riing Plus 20 (Single Fan Pack
w / Controller)
Riing Plus 20 (Single Fan Pack
w / o Controller)
Riing Plus 14/12 (5 Fan Pack)
Riing Plus 14/12 (3 Fan Pack)
Riing Plus 12 (Single Fan Pack)
Pure Plus 12 (3 Fan Pack)

ACCESSORIES
Pacific Lumi Plus LED Strip
Pacific Rad Plus LED Panel

CHASSIS
View 91 Tempered Glass RGB
Edition Super Tower Chassis
Level 20 Tempered Glass
Edition Full Tower Chassis

POWER SUPPLY UNITS
Toughpower iRGB PLUS
1250W Titanium
Toughpower iRGB PLUS
1200W/1050W/850W
Platinum

KEYBOARDS
TT Premium Level 20 Cherry
MX Speed Silver Keyboard
TT Premium Level 20 Cherry
MX Blue Keyboard
TT Premium X1 Cherry MX
Speed Silver Keyboard
TT Premium X1 RGB Cherry
MX Blue Keyboard

HEADSETS & MICE
CRONOS Riing RGB 7.1 Headset
Iris Optical RGB Mouse
NEMESIS Switch Optical RGB Mouse

07 Master Modder
Recommendation

TT RGB PLUS SOFTWARE

Performance and fan speed is also very important to a PC modder and the TT RGB PLUS software does not disappoint. Controlling fan speed can be done precisely by using a slider, or done by choosing one of the 3 preset buttons designated as silent, performance and PWM. Once I have set my colourway and fan performance set the TT RGB PLUS Software has 5 separate profile save options I can choose from. This is very useful as I can save 5 different colourway profiles to switch through.

In conclusion the new Thermaltake RGB PLUS software is essential in my eyes to any modder that wants to achieve a specific and very detailed colourway with their lighting and control the performance of their fans with ease.

As a PC modder, I was asked by Thermaltake to give my thoughts on the new TT RGB PLUS Software. I am super excited to talk about the software because being a modder more focused on aesthetics and looks this software has been very useful. I will start by talking about my favorite feature the individual LED customization. This feature allows the user to customize the individual diodes in TT Ring Plus fans along with other compatible TT products. Customizing each diode with the 256 colour wheel is very easy and precise. The software also has a slew of light modes to choose from, from a ripple mode to a breathing mode all the way to a sound control mode that will react to music. Brightness is controlled by an easy to use slider. Thermaltake also has some preset light shows that can be controlled by their AI Voice Control feature. This feature allows the user to customize their lighting using their smartphone and the TT RGB PLUS app.

Canada
Erik Bergwest

PACIFIC W4 PLUS CPU WATER BLOCK

PACIFIC HARD TUBE BENDING KIT
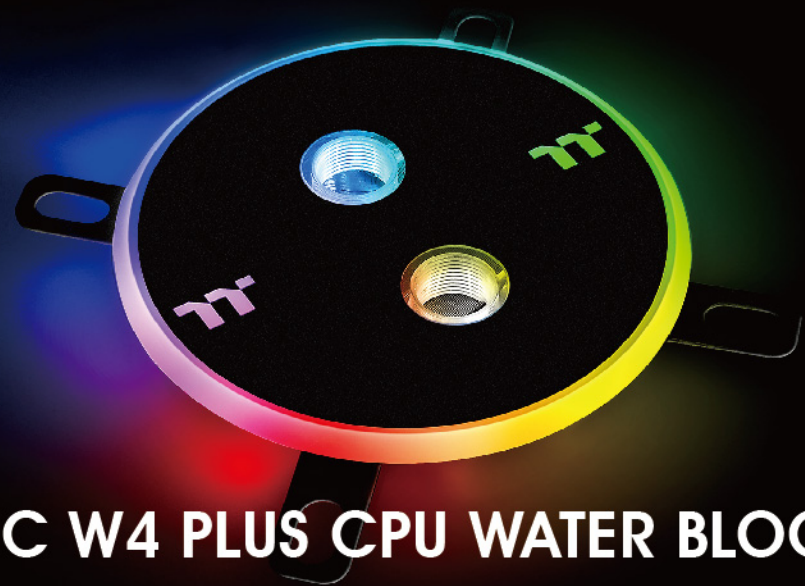
Let's face it, RGB is both a serious PC trend and also a bold aesthetic statement. The W4 Plus CPU block works with this feature and takes it new places thanks to being able to sync up to the "Plus" ecosystem.

Particularly in themed builds, being able to adjust the lighting to match is a serious feature, so it's great that the CPU block can be included in the roster. Being able to swap colors and effects using the app is great for events and photoshoots. Pair that with solid performance and construction quality and you can tell it's a winner.

The W4 plus is bright and extremely feature flexible, I like to set mine to individual colors that fit with the overall color scheme of the rig, but shooting rainbows is surprisingly satisfying too. The fact that it can take on the effects used in the Premium Plus fans is fantastic as it allows for a high level of consistency throughout the rig.

The Thermaltake Pacific Hard Tube Bending Kit is one of my favorite toolkits here in the shop specially when setting up custom liquid cooled rigs using rigid PETG tubing. It's unbelievable how easy it is to use kit, Even for the novice or starting enthusiast's. Thermaltake has provided all the tools you need to do the simplest up to the most complicated tubing lines you could imagine. The cutter and reamer tool guarantees a clean and precise cut every time. While the aluminum tube mandrel guides give a precise and clean looking angle bend when using PETG tubing.

I've used several other tools in the market and I can easily say that Thermaltake Pacific Hard Tube Bending Kit is one of the easiest and most hassle free toolkits I've used.

UK
Alex Banks


Philippines
Mhike Samsin

CORE P90 TEMPERED GLASS EDITION

With the open frame chassis range Thermaltake reinvented the traditional chassis and with the P90 they went further. With its innovative angled design, its versatility and the full Tt LCS compatibility, Thermaltake's Core P90 has everything you need to create an amazing build; it's definitely a non compromises chassis.

Three different position options to meet your setup style: wall-mounted, vertical or horizontal. Choose the best option for you and admire your dream machine through the strong 5mm smoked tempered glass panels! Two separate sides to place your build's components, one thought for the hardware and one for the liquid cooling loop components, offering all the space you need to place your ATX motherboard and up to two vertical mounted GPUs for an extreme performance. Thanks to the vertical PSU mount, you can show all your cool RGB PSU, like the new Tt DPS-G RGB 1250w. All the cables, HDDs and stuff like these can be hidden in the big backside, leaving the front so clean. Keep you components cold with the possibility to fit a huge radiator up to 480mm and a reservoir + pump kit next to it, as the Tt PR22-D5, thanks to the full Tt LCS Certification.

What does it mean? The P90 is thought to host all the awesome Tt LCS family components with no need of modification, allowing you to create your loop without touching the original frame. Take your components, just easily install them and in a short time you will be able to play your favorite games. Give space to your creativity and enjoy yourself creating the best looking watercooling loop with no compromises!
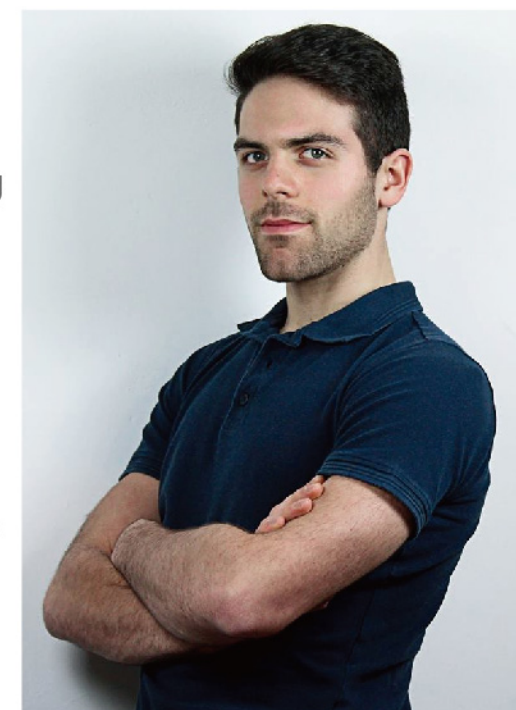
Italy
Filippo Borgarelli

Thermaltake
08 CaseMOD Invitational

Thermaltake has promoted Maker Movement since 2015, and made the brand itself a nurturing ground for this growing community of creative individuals by kicking off CaseMOD Invitational competitions worldwide. We've introduced the events Thermaltake hosted from 2015 to 2016 in the first installment of Thermaltake Liquid Cooling News released in January 2018. This time we'll quickly recap the other caseMOD events we ran in 2017.

2015
Thermaltake CaseMOD
Invitational Season 2

2016
Thermaltake CaseMOD
Invitational Season 2

2017
Thermaltake Modding Fighting
Championship Season 2

2015 APR   **2015** AUG   **2016** FEB   **2016** SEPT   **2017** MAR   **2017** NOV   **2018** MAY

2015
Thermaltake CaseMOD
Invitational Season 1

2016
Thermaltake CaseMOD
Invitational Season 1
Thermaltake Modding
Fighting Championship
Season 1

2017
Thermaltake CaseMOD
Invitational Season 1

2018
Thermaltake CaseMOD
Invitational Season 1

2017 Thermaltake CASEMOD INVITATIONAL
SEASON 1

Year 2017 is the third annual installment of Thermaltake Casemod Invitational. As a leading brand in CaseMOD community, Thermaltake was proud to invite 12 of the world's excellent casemodders from Australia, Brazil, China, France, Germany, Italy, Japan, Philippines, Russia, Thailand, the United Kingdom, and the United States to join this season.

2017 Thermaltake MODDING FIGHTING CHAMPIONSHIP
SEASON 2

Thermaltake kicked off Thermaltake Modding Fighting Championship (MFC) Season 2 in November 2017. The MFC S2 features the top two winners from the 2015 Thermaltake Case MOD Invitational Season 1 to the 2017 Thermaltake Case MOD Invitational Season 1.
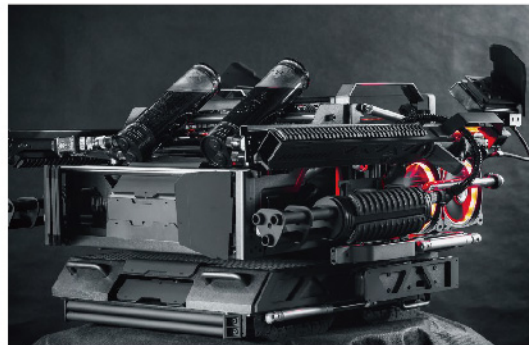
W I N N E R S   L I S T
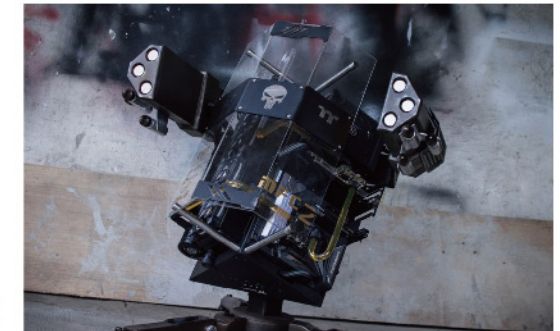
1st

Japan
Von Carlo Rasonabe

2nd

Thailand
Chaipoj Khaowasut

3rd
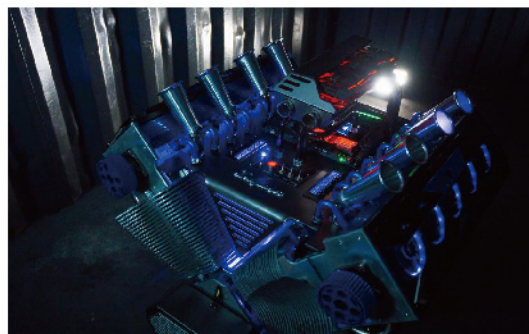
Philippines
Mhike Samsin

W I N N E R S   L I S T

1st

Philippines
Jesse Palacio

2nd

Thailand
Suchao Prowphong

3rd

Thailand
Siwasak Sirisomboon
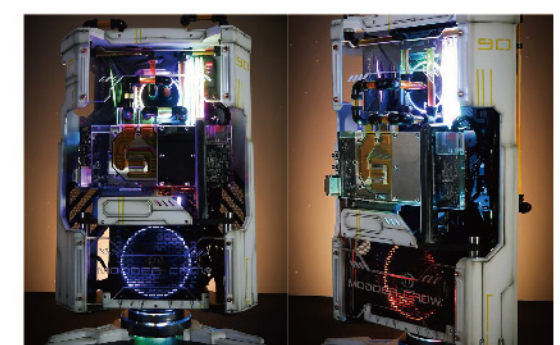
2018
Thermaltake
CASEMOD
INVITATIONAL

SEASON 1

2018 Thermaltake CaseMOD Invitational Season 1 is the most exciting modding competition of the year. Thermaltake invited 11 of the top case modders throughout the world from China, France, Germany, India, Malaysia, Netherlands, Philippines, Spain, Thailand, United Kingdom and United States to participate in the event.

M O D D E R S   L I S T

China
Van Lee

France
Moulard Mathias

Germany
Monia Reuter

India
Pramod Hambir

Malaysia
Ahmad Syafiq Hamman

Netherlands
Tim Warning

Philippines
Michael John Lacerna

Spain
Aitor Larrañaga

Thailand
Pakawat Chaiboonma

United Kingdom
Rob De Luce

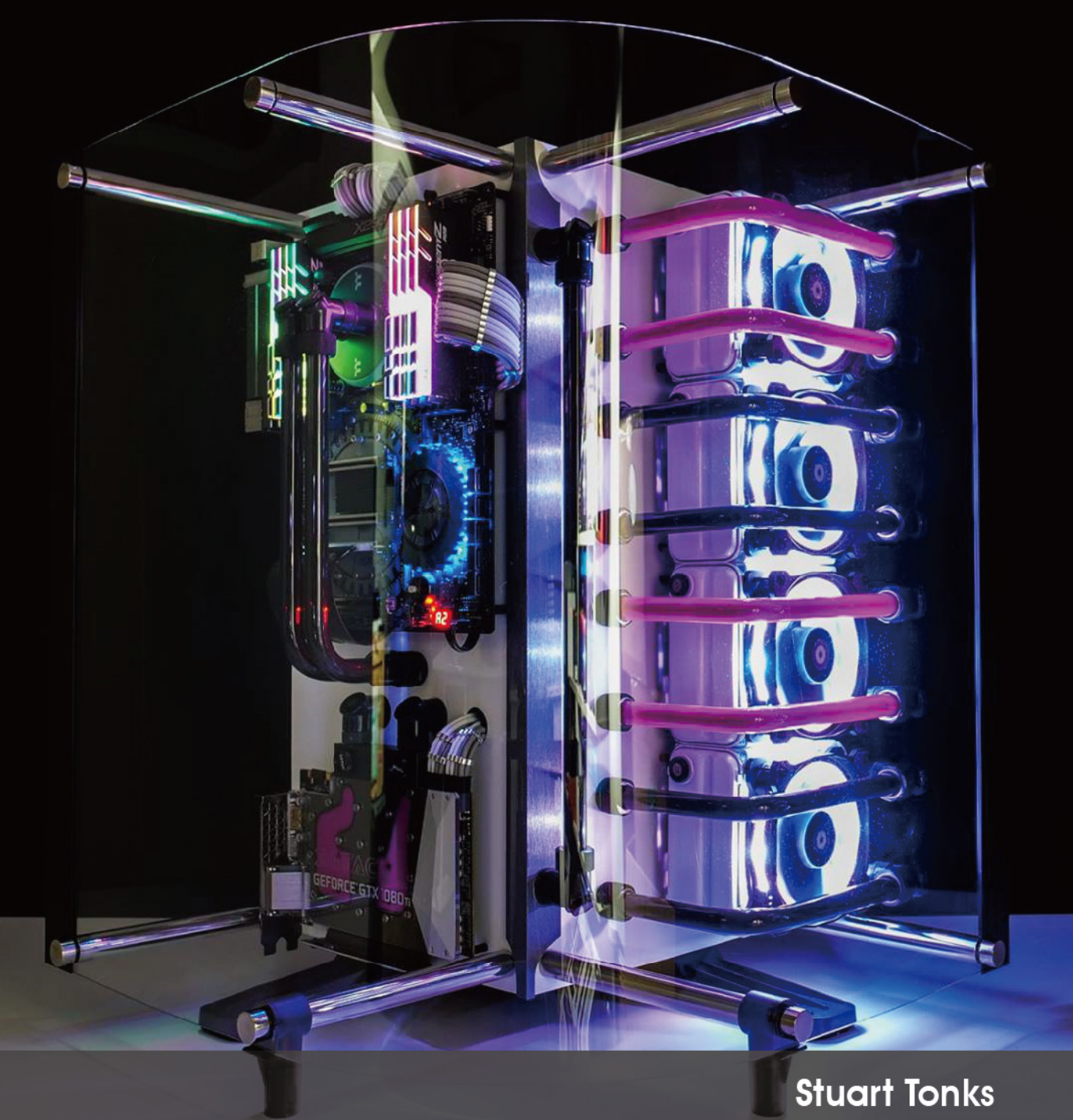**United States**
Calen Saddler

thermaltake

Thermaltake
09 Casemodding Showcase

Thermaltake is always very passionate with the work of the modders and makers from all over the world. In this chapter, you can get a closer look and a better understanding of the modders' superior-looking mods.
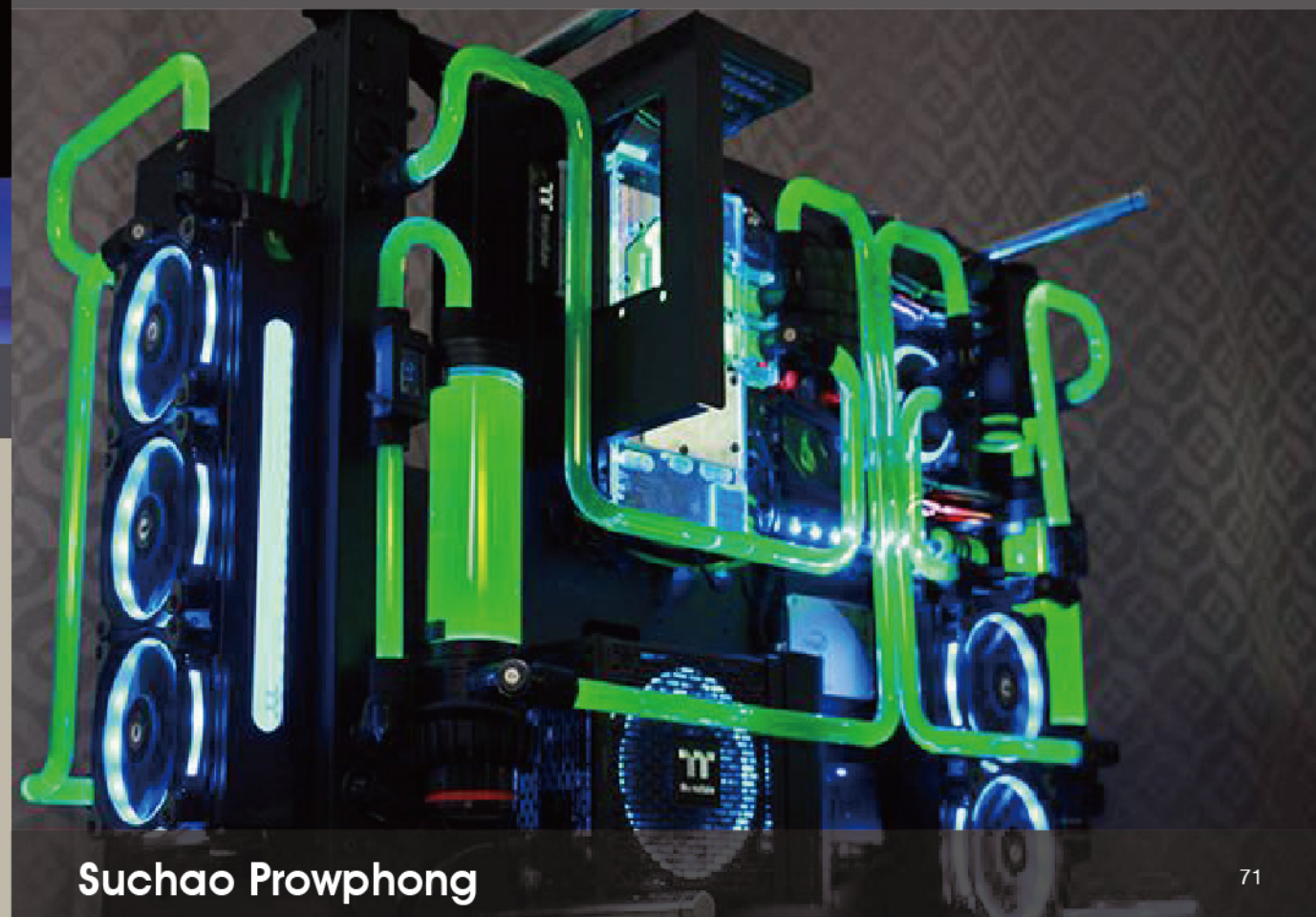
Core P90

Stuart Tonks

thermaltake

Core P7

Stuart Tonks

Suchao Prowphong

Suchao Prowphong

EZ gunna82

Wan V

Mike Peteryns

Stuart Tonks

Rahul

Core **P3** / **P1**

Core **P5**
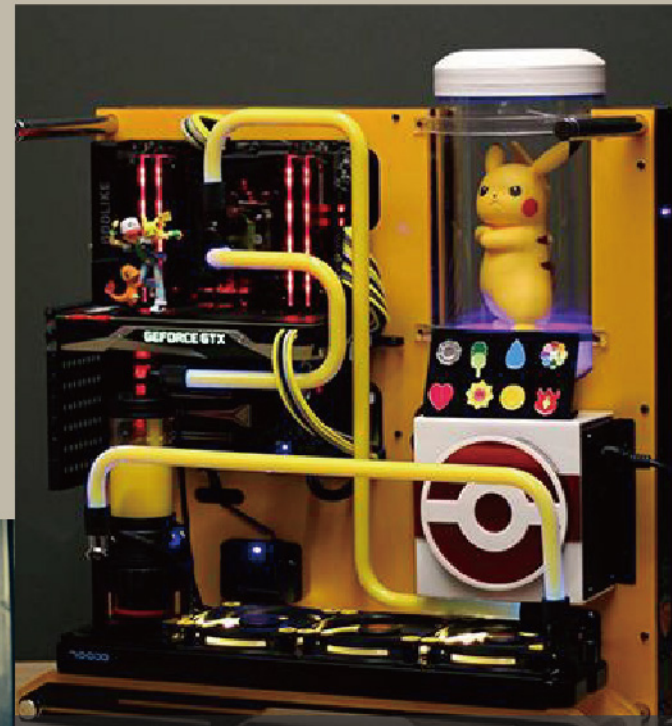
Siwasak Sirisomboon & Indy Laser

Genevieve Baad

Indy Laser

정순호
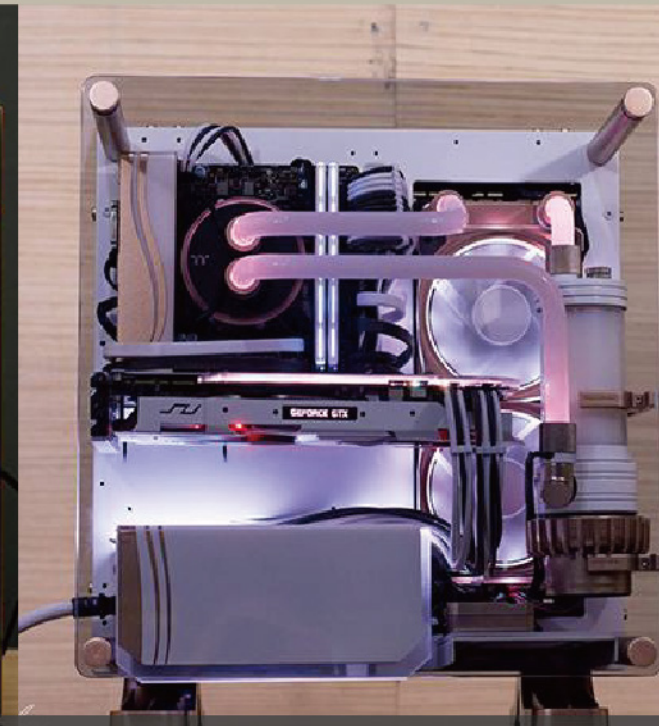
Epic
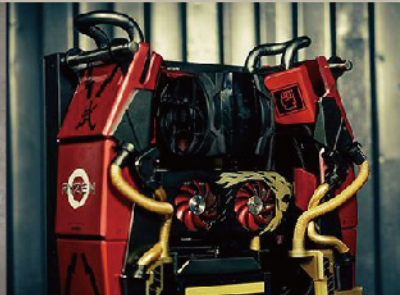
Mike Peteryns
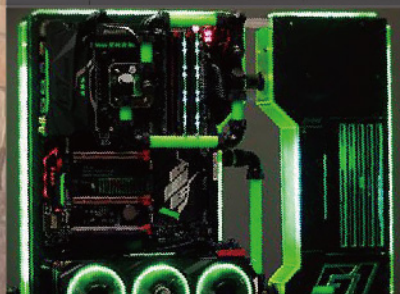
Indy Laser

Crow

Jesse Palacio

Corey

10 TT Premium

Thermaltake TT Premium, the most professional online shop for PC enthusiasts, has expanded its footprint to over 100 countries and territories by launching TT Premium Europe , TT Premium Australia , TT Premium Taiwan and TT Premium China. Established in 2016, TT Premium has always adhered to Thermaltake's core mission to create values for its customers by providing exceptional high-end products, including Chassis, Liquid Cooling Solutions and Digital Power Supplies.

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