TAICHI

THE TAICHI JOURNEY

Ten Years of Innovation and
the Stories Behind It

嗨! 全球各地的ASRock主機板愛好者們大家好，我們是ASRock的PM團隊。在ASRock這個龐大的大家庭裡面，我們團隊主要負責的是「構思」：構思下一代主機板應該長什麼樣子？面對的客群是誰？要有什麼功能才會受市場歡迎？價位落點在哪裡？構思完成以後，我們會開始跟各個設計團隊開始「孕育」每一張主機板，包含研發部門、散熱部門、BIOS部門、平面設計、工業設計部門...等等，共同催生出你手上每一張ASRock主機板。

而「Taichi」這個系列，便是我們透過無數次腦力激盪發想出來的產品。現在，讓我們來回顧「Taichi」這個經典系列的歷史，還有它背後的一些開發故事。

Hey there, ASRock fans all over the world! We are the ASRock PM team. Within the massive ASRock family, our main job is to "dream things up." We envision what the next generation of motherboards should look like, who we are building them for, what features will wow the market, and where the price point should land. Once the concept is ready, we work with various design teams—including R&D, Thermal, BIOS, Art Design, and Industrial Design—to bring each motherboard to life. Together, we birth every single ASRock motherboard you hold in your hands today.

The Taichi series was born from countless brainstorming sessions. Now, let’s look back at the history of this classic lineup and some of the stories behind its development.


ASRock
X99
Taichi
Ultra M.2


ASRock
X99 Taichi


Purity Sound


X99
intel
Gigabit Ethernet
AMD
SLI
ASRock
X99
Taichi
Purity Sound
Ultra M.2

2016/07

X99 TAICHI

時光回朔到2016年，當時ASRock正在思考，即將在暑期發行的X99晶片組身為Intel高階平台，應該要推出什麼樣的主機板，才足夠令人耳目一新？才能夠吸引玩家注意？

充滿創意一直是我們引以為傲的特色，當時便有組員提出了這麼一點:「既然華擎對於玩家的承諾，是以平實價格提供高於同級的規格，這概念是不是就很像中國道教文化『太極』概念，『陰』與『陽』的相互交融，代表了一個完美穩定、相生不息的平衡狀態？如同ASRock主機板不過度設計，在『規格』與『價格』中找到完美平衡點一般。」這概念一提出馬上便獲得內部認同，「X99　Taichi」就此出現在ASRock產品開發列表當中。

既然名為「Taichi」，產品外觀要與太極的傳統形象產生連結是必然的。但，要如何表現它？要怎麼在生硬的主機板上，表現出一個圓潤的太極造型？內部此時有兩派說法，一派認為既然名為太極，就應該要以傳統中國水墨畫風格為基底，以潑墨山水、毛筆勾勒等元素，融合進主機板中。水墨風格不但過去沒人嘗試過，在歐美文化當中，這種充滿十足東方元素的產品，也會相當引人注目。但另一派人認為，主機板畢竟是終端電子消費產品，應該要以更貼近使用族群的設計語彙才能打動玩家，傳統風格必須與科技風格碰撞，創造出屬於ASRock自己的「Taichi」風格才對。

最後如你所見，後者「創新派」取得了勝利。我們用「齒輪」取代了「圓形」，用「機甲」取代了「線條」，打造出屬於ASRock自己的「Taichi」。
在設計這張主機板時有個有趣的故事，其中之一，是我們極度要求主機板「太極圖騰」的完整性，尤其是白色部分，絕不能被太多細小的電子零件破壞了視覺以及線條。因此除非必要，否則要把所有零件、電容放在PCB背面。這在當時是個創舉，負責這張主機板的各領域工程師們為了這點，各個絞盡腦汁，都要忙到半夜才能回家，甚至有人在辦公室默默落淚.....。

另外一件有趣的故事，X99 Taichi是ASRock第一張使用了大面積白色PCB印刷的主機板。而在主機板製程當中，白色其實是非常難控制的一環。主機板生產時若在高溫錫爐中待得太久、溫度太高，白色會被烘烤成詭異的土黃色；但若將過爐時間縮短、降低溫度，會顯著的影響生產良率。所幸我們最終克服了這點，否則今天大家看到的Taichi系列，可能就不會是白色的了。

除此之外，我們原本還計畫在X99 Taichi左側的4根記憶體插槽，也一併設計成白色的，讓主機板整體太極元素的白色能銜接得更加完整。可惜當時供應商還沒有能力，生產出不會因為時間而發黃的白色料件，這是現在回顧的一個可惜之處。

Let’s flash back to 2016. ASRock was brainstorming for the upcoming X99 chipset slated for a summer release. As Intel's high-end platform, we kept asking ourselves: What kind of motherboard would truly bring something fresh to the table and grab gamers' attention?

Innovation has always been our pride and joy. During a meeting, a team member brought up a great point: "Since ASRock's promise to gamers is to deliver premium specs at an affordable price, doesn't this concept mirror the Taoist philosophy of 'Taichi'? The harmonious blending of 'Yin' and 'Yang' represents a perfectly stable, ever-regenerating balance. It’s just like how an ASRock motherboard avoids over-engineering and finds the sweet spot between specs and price." The idea clicked instantly with everyone internally, and "X99 Taichi" was officially added to our product development pipeline.

Since we call it "Taichi," the aesthetic naturally needed to connect with the traditional image of Taichi. But how could we pull it off? How do you express soft, flowing Taichi curves on a rigid motherboard? Internal opinions were split. One camp argued that since it’s named Taichi, we should base it on traditional Chinese ink-wash paintings, blending elements like ink landscapes and brushstrokes into the motherboard. No one had ever tried an ink-wash style before, and we figured such an exotic Eastern design would be a real eye-catcher in Western markets. However, the other camp countered that a motherboard is, after all, a consumer electronic product. To truly resonate with gamers, it needed a design language closer to their world. They believed traditional style should clash with tech elements to create a "Taichi" look unique to ASRock.

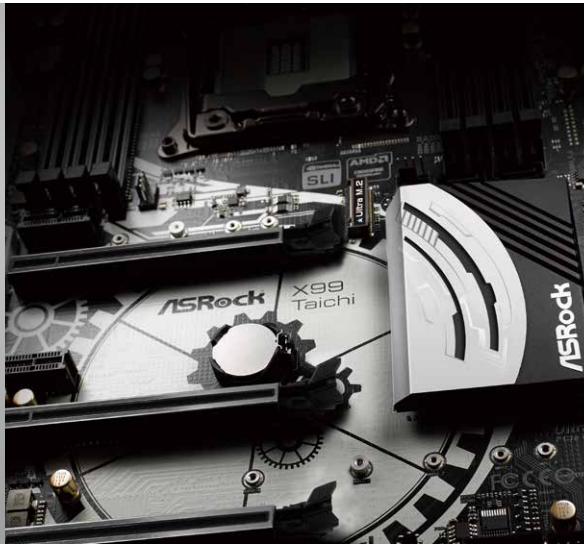
In the end, as you can see, the latter "innovation camp" won. We replaced smooth circles with "gears" and soft lines with "mechanical armor," crafting a Taichi style that belongs solely to ASRock.

There are some great behind-the-scenes stories from designing this board.

First, we were absolutely obsessed with keeping the "Taichi pattern" flawless. We refused to let tiny electronic components mess up the clean visuals and lines, especially on the white sections. Therefore, unless absolutely necessary, we insisted on relocating all minor components and capacitors to the back of the PCB. This was a massive undertaking at the time. Our engineers across different departments racked their brains over this, working late into the night just to make it happen—some were even moved to tears in the office from the sheer stress...

Another fun fact: the X99 Taichi was ASRock's very first motherboard to use large-scale white PCB printing. In manufacturing, white is notoriously hard to manage. If the PCB stays in the wave soldering furnace a fraction too long or the temperature runs too high, the pristine white bakes into a weird, muddy yellowish-brown. But if you cut down the oven time or drop the heat, it tanks the production yield rate. Luckily, we eventually conquered this challenge. Otherwise, the Taichi series everyone sees today wouldn't be white at all.

On top of that, we originally planned to make the four memory slots on the left side white too, which would have made the white Taichi theme feel completely seamless. Unfortunately, suppliers back then didn't have the capability to produce white plastic parts that wouldn't turn yellow over time. Looking back, that’ s one small regret we still have.




Z270
ASRock
Z270 Taichi
Ultra M.2
PURITY SOUND 4

Z270
Z270 Taichi
Ultra M.2
ASRock
PURITY SOUND 4
Gigabit Ethernet

2017/01

Z270 TAICHI

在有了第一張的X99 Taichi製作經驗以後，第二張Z270 Taichi的誕生就容易多了，我們採用了同樣的概念設計這張主機板。不過你可能會注意到，我們從此時開始，將電容從「金色」改為「黑色」，這進一步符合了主機板的整體美感 - 純粹的黑與白。

你可能也注意到，主機板右下角此時出現了一處「L型」的藍色燈光，這在主機板上似乎顯得有點突兀，視覺上看起來並不和諧。原因是當時，DIY電腦市場正逢RGB電子花車浪潮，迫於某些理由，主機板上也必須存在某程度的RGB燈光才行。你可能也不喜歡，但，至少你可以關掉燈光。

With the experience of building our first X99 Taichi under our belts, bringing the second-gen Z270 Taichi to life was a much smoother ride. We stuck with the same core design concept for this board. However, you might notice that we switched the capacitors from gold to black from this point onward. This really helped us lean into the pure black-and-white aesthetic we wanted for the board.

You might also spot an L-shaped blue light in the bottom right corner. To be frank, it looks a little out of place and breaks the visual harmony. Back then, the DIY PC market was right in the middle of a massive "RGB circus" craze. For a few reasons, we felt pressured to include some level of RGB lighting on the board. You might not have been a fan of it either, but hey—at least you could turn the lights off.


ASRock
X370 Taichi
RYZEN
AMD
SLI
X370

2017/02

X370 TAICHI

X370 Taichi非常有趣，不只是AMD平台的第一張Taichi，更是一張極為長壽的主機板。拜AMD AM4平台的長期支援之賜，加上X370 Taichi規格的超前部屬，一直到今天，X370 Taichi都還可以支援今年(2026)最新發布的AMD X3D系列處理器。當然，ASRock也還在持續發布BIOS，維護這張主機板。長達將近十年的產命壽命，令人乍舌。而且，這個支援紀錄還可能會持續被打破。

另外一個有趣的部分，在這張主機板上還可以觀察到儲存裝置的變遷。X370 Taichi擁有10個SATA埠，是最後一張擁有如此多SATA埠的主機板。相反的，M.2插槽卻只有2個而已，完全跟現今主機板的設計思維相反。

The X370 Taichi is a truly fascinating board. Not only was it the very first Taichi on the AMD platform, but it also proved to be an incredibly long-lived motherboard. Thanks to AMD's stellar long-term support for the AM4 socket, combined with the heavily future-proofed specs we packed into the X370 Taichi, this legendary board can still run the latest AMD X3D processors released this year (2026). And yes, ASRock is still actively rolling out BIOS updates to keep this board going strong. A product lifespan spanning nearly a decade is simply mind-blowing, and this support record might just keep getting extended.

Another fun detail is how you can witness the evolution of PC storage right on this piece of hardware. The X370 Taichi features a whopping 10 SATA ports, making it the last motherboard to sport that many. On the flip side, it only has two M.2 slots—the exact polar opposite of how motherboards are designed today.


X299
ASRock
X299 Taichi
Ultra M.2
Ultra M.2
Ultra M.2
ASRock
PURITY SOUND

2017/06

X299 TAICHI

從這個時間點開始，Taichi系列開始「黑化」。因為黑白配色的太極造型雖然新穎，但也有部分消費者認為不容易搭配機殼，畢竟大部分的機殼都是純黑或純白。因此我們決定開始將太極改為黑、灰為主的深色調，讓主機板裝進機殼以後，視覺更加和諧。

也是從這一代開始，我們進一步延伸了「齒輪」的概念，讓PCB圖騰的大齒輪，與散熱片上實體的齒輪互相重疊、咬合，帶來動態感與趣味性。

From this point on, the Taichi series started to "go stealth." While the original black-and-white look was fresh, some users found it a bit tricky to color-match with their builds, given that most PC cases are either solid black or solid white. So, we decided to pivot to a darker theme—predominantly blacks and grays—ensuring the motherboard looks cohesive once installed inside a chassis.

This was also the generation where we pushed the "gear" concept further. We made the large gear graphics on the PCB overlap and interlock with the physical gears on the heatsinks, injecting a sense of mechanical movement and fun into the overall design.


RYZEN
THREADRIPPER
X399
ASRock
X399
Taichi
Ultra M.2
Ultra M.2
Ultra M.2


ASRock
X399 Taichi
X399 Taichi
X399


RYZEN
X399
ASRock
Ultra M.2

2017/07

X399 TAICHI

拜AMD Ryzen Threadripper處理器擁有超多PCIe通道(PCIe lanes)之賜，X399 Taichi是一張當時少見可以支援NVIDIA® 4-Way SLI™或AMD 4-Way CrossFireX™的主機板。由於工作站(Work Station)或創作者(Creator)主機板的概念，還沒像現在如此普及到消費級市場，因此Taichi就擔下了這個「支援多路顯示卡」主機板的重擔。

有趣的是，當時正逢顯示卡挖礦的極盛期(遊戲玩家的黑暗年代)，因此能支援多路顯示卡的主機板完全是供不應求的狀態。雖然這並不是我們設計這張主機板的本意，但的確引發了我們始料未及的結果。

Thanks to the massive PCIe lane count offered by AMD Ryzen Threadripper processors, the X399 Taichi was one of those rare beasts back then that could support NVIDIA® 4-Way SLI™ or AMD 4-Way CrossFireX™. Since dedicated "Workstation" or "Creator" motherboards hadn't yet trickled down to the mainstream consumer market like they have today, the Taichi stepped up to shoulder the heavy lifting of multi-GPU configurations.

Interestingly, this coincided with the height of the crypto-mining boom—a truly dark age for gamers. Motherboards that could handle multi-GPU setups were completely sold out everywhere. While mining was never our intention when designing this board, it certainly triggered a wave of demand we never saw coming.


ASRock
Z370 Taichi
ASRock
Z370 Taichi
Z370

Z370 TAICHI

以外觀設計看來，Z370 Taichi並沒有大幅度的變革。但它是首張導入了前置Type-C規格的Taichi，以因應當時機殼前置Type-C即將到來的流行。

我們在Z370 Taichi設計了一顆額外的時脈產生器(Clock Generator)，目的是讓使用者在進行CPU超頻時，能夠以更精細的幅度調整CPU基礎頻率(BCLK)，爭取最後的一點超頻空間及效能。對比現在，CPU內建的自動超頻幾乎可以滿足大多數人的效能需求了，玩CPU超頻的人已經不比從前，所以現在的Taichi已經不會再配備獨立時脈產生器了。

Visually speaking, the Z370 Taichi didn’t feature a massive overhaul. However, it was the very first Taichi to integrate a front-panel Type-C header, anticipating the upcoming wave of PC cases sporting USB-C on the front I/O.

Under the hood, we added a dedicated external clock generator to the Z370 Taichi. This allowed hard-core overclockers to fine-tune the base clock (BCLK) in micro-steps, squeezing out every last drop of performance. Fast forward to today—with modern CPUs handling automatic boost clocks so well, manual CPU overclocking has become a niche hobby. That's why you won't see a dedicated clock generator on a modern Taichi anymore.


ASRock
X299 Taichi XE
X299


X299
X299 Taichi XE
Ultra M.2
ASRock

2017/10

X299 TAICHI XE

咦？不是已經有X299 Taichi了嗎？為什麼還會多一個X299 Taichi XE？由於當時Intel預計在X299平台推出更強大的「XE」系列極致版處理器，因此ASRock同步推出X299 Taichi XE，以標榜完美搭配最新的CPU。

最高階CPU肯定非常的耗電，高耗電之下產生的廢熱也會相當驚人。像X299這種支援四通道、八條記憶體插槽的平台，要爭取空間為供電模組(VRM)散熱是非常不容易的事情，畢竟CPU插槽就是這麼大，八條記憶體插槽就是這麼占空間。X299 Taichi XE為了提供更好的解熱效能，我們取消了後方IO處的造型塑膠罩，改以一塊散熱片取代，並以熱導管相接。

不知道你有沒有注意到，X299 Taichi XE的彩盒以及RGB燈光，也從過往的白色改為金色。這是為了更契合Intel處理器的盒裝顏色。

Wait, didn't we already have the X299 Taichi? Why create an X299 Taichi XE? Well, back then, Intel was gearing up to roll out its ultra-powerful "XE" Extreme Edition processors on the X299 platform. To complement them, ASRock dropped the X299 Taichi XE, built explicitly to handle these brand-new, power-hungry flagship CPUs.

Top-tier CPUs draw an insane amount of power, and with high power comes staggering heat. On a quad-channel platform like X299 with eight memory slots, finding real estate for beefy VRM cooling is a massive challenge. The CPU socket is huge, and those eight DIMM slots eat up almost all the room. To maximize thermal performance on the X299 Taichi XE, we ditched the plastic rear I/O shroud entirely and replaced it with a solid aluminum heatsink linked via a heat pipe.

If you looked closely, you might have also noticed that the packaging and default RGB lighting on the X299 Taichi XE shifted from our signature white to brilliant gold. This was a subtle nod to better match the iconic color of Intel's high-end retail CPU boxes.


ASRock
X399M Taichi
X399
RYZEN
AMD
SLI
RGB


X399
RYZEN
ASRock


X399
RYZEN

2018/02

X399M TAICHI

幾乎所有Taichi系列主機板都是ATX規格，或更大張的E-ATX規格，因為Taichi是規格最齊、相容性最高、泛用性最廣的全能產品，因此必須是ATX板型，才放得下豐富的規格。但，X399M Taichi是唯一的例外，它不但是第一張mATX規格的Taichi，也是當時市面上唯一一張mATX的X399主機板。X399M Taichi誕生的背景，是當時我們想做一些「很酷」的主機板，而把碩大的AMD TR4插槽放在mATX，還能夠支援四通道記憶體，正是一件超酷的事，完全展現了我們的研發實力。

當然，X399M Taichi其實浪費了很多PCIe通道以及記憶體擴充性，但這麼做真的很酷，我很喜歡這張主機板，玩家們的評價也是。

Almost every Taichi motherboard out there is an ATX or even a massive E-ATX board. Since the Taichi is our "do-it-all" flagship that promises zero compromises on specs and connectivity, it requires an ATX footprint just to cram everything in. However, the X399M Taichi stands as the sole exception. It was the first Micro-ATX Taichi, and the only mATX X399 motherboard on the market at the time. Its inception came from a simple desire: we wanted to build something crazy cool. Stuffing a massive AMD TR4 socket onto a Micro-ATX PCB while still supporting quad-channel memory was the ultimate engineering flex, putting our R&D prowess on full display.

Sure, from a practical standpoint, the X399M Taichi sacrificed a lot of PCIe lanes and memory expansion slots, but the "cool factor" was off the charts. I absolutely loved this board, and the community's response was equally enthusiastic.


ASRock
Taichi


ASRock


ASRock
X470 Taichi
X470


ASRock
X470 Taichi Ultimate
X470

2018/04

X470 TAICHI
X470 TAICHI ULTIMATE

我們開始思考，新一代Taichi在外觀上要有什麼變化？不能捨去舊有的元素，但又要有進化的感覺。於是從這代開始，我們繼續鎖定了齒輪這個元素，讓齒輪開始有更佳的層次感以及工藝感。這點十分受到市場的歡迎，同時在機殼改裝領域(Modding)，也出現了許多以Taichi為主機的作品，這讓我們感到十分欣慰。

這一代我們也有新的嘗試，增加一個「Ultimate」後綴的機種。兩者的差異是X470 Taichi Ultimate擁有10GbE網路埠，除此之外規格並無二致。因為我們想嘗試碰觸影音創作者族群，而10GbE網路可以有效提升內網傳輸速度，增進工作效率。

We started brainstorming how to evolve the look of the next-generation Taichi. We couldn't abandon our iconic roots, but it needed to feel like a true step forward. From this generation onward, we doubled down on the gear motif, giving the gears multi-layered depth and a premium, machined craftsmanship look. This went down incredibly well with the market. We were thrilled to see the Taichi become a favorite centerpiece in the PC case-modding community.

We also experimented with something new this round: adding an "Ultimate" edition to the stack. The only difference between the two was that the X470 Taichi Ultimate packed a blazing-fast 10GbE LAN port. We wanted to test the waters with content creators, as 10GbE networking dramatically accelerates internal file transfers and boosts workflow efficiency.


ASRock


Ultra M.2
Ultra M.2
Taichi
Ultimate


ASRock


ASRock
Taichi
Ultimate

2018/10

Z390 TAICHI
Z390 TAICHI ULTIMATE

與同年上市的X470 Taichi一致，在Intel平台的Z390 Taichi上我們也採用了同樣策略: 增加了一個「Ultimate」後綴的機種。

可能是時機不對，也可能是需求太少，或其他因素，最後市場證明這個想法並沒有受到青睞。常規Taichi機種的銷量，遠比Taichi Ultimate還要受到歡迎。之後，再也沒出現過「Ultimate」後綴，或是類似的設計。10GbE這個規格，我們改放到更符合其定位的「Creator」機種上頭。

Mirroring the strategy of the X470 Taichi launched earlier that year, we applied the exact same playbook to the Intel-based Z390 Taichi, rolling out a standard version alongside an "Ultimate" tier.

Perhaps the timing was off, or maybe the mainstream demand just wasn't there yet. Ultimately, the market spoke, and the Ultimate concept didn't gain much traction. Sales of the standard Taichi vastly outperformed the Ultimate edition. After this generation, we retired the "Ultimate" suffix for good. We eventually migrated the premium 10GbE spec over to our "Creator" product line, where it naturally fit the target audience much better.


ASRock
X570 TAICHI
ASRock
X570
TAICHI
AMD
X570
HDMI

2019/05

X570 TAICHI

從這一代X570 Taichi開始，外觀產生質的飛躍進化。可以看出既保留了過往Taichi的輪廓，卻又擁有一番新的風貌，更具有現代感與工藝美感，與RGB燈光的搭配也十分契合，這可能是我個人最喜歡的一代Taichi。在右下角的齒輪還有一個隱藏的小巧思，表面輕輕的雕刻了「XIII」的字樣，代表這已經是第十三張Taichi了。

另外我們開始導入全新一體式彈性化I/O擋板(Flexible Integrated I/O Shield)功能。這個擋板是擁有上下、左右、前後調整的餘裕的。也就是說，可以解決因為機殼公差不一，導致你主機板裝入機殼以後，機殼螺絲孔位無法與主機板孔位對齊的問題。這是一個可以徹底解決使用者痛點的方案，我非常喜歡。它是一個真正的好設計，所以我們一直延續至今。

Starting with this generation, the Taichi's aesthetic underwent a massive evolutionary leap. While it retained the classic Taichi silhouette, it presented a completely fresh face—sleeker, more modern, and showcasing true industrial beauty that paired beautifully with RGB lighting. This might just be my personal favorite Taichi generation. We even hid a little easter egg on the gear in the bottom-right corner: a subtle 'XIII' engraved on its surface, marking it as our 13th Taichi motherboard.

We also introduced our new Flexible Integrated I/O Shield. Unlike a rigid, pre-installed shield, our design offers structural wiggle room, allowing it to adjust slightly up, down, left, right, forward, and backward. This simple tweak brilliantly solves a classic PC-building headache: alignment issues caused by manufacturing tolerances in different PC cases. It was a genuine quality-of-life fix that solved a real user pain point, which is why we’ ve kept it as a standard feature ever since.


X299
ASRock
PURITY SOUND


ASRock

2019/10

X299 TAICHI CLX

繼X299 Taichi、X299 Taichi XE以後，再推出一張X299平台的X299 Taichi CLX！這是Taichi首次在同一個晶片組當中出現三張產品。

這是由於長壽的X299即將迎來新一代核心代號為Cascade Lake-X的CPU，因此我們也推出了新對應的新X299 Taichi CLX。可以看出X299 Taichi CLX跟前兩代有了十分不一樣的外型，外觀更為現代、洗練，更符合現代省美價值觀。

Following the X299 Taichi and X299 Taichi XE, we dropped a third board on the exact same platform: the X299 Taichi CLX! This marked the first time in Taichi history that a single chipset spawned three distinct iterations.

The push behind this was Intel's long-running X299 platform welcoming its new "Cascade Lake-X" processors. To match the refresh, we launched the X299 Taichi CLX. Visually, the CLX broke away from its predecessors, adopting a much more modern, streamlined, and clean aesthetic that perfectly aligned with contemporary design trends.


TRX40 TAICHI
TRX40
TRX40 TAICHI

2019/11

TRX40 TAICHI

AMD在這一年迎來新一代HEDT平台 – TRX40。雖然這是X399的後繼平台，但我們這一代Taichi並沒有延續X399 Taichi「支援多路顯示卡」的設計，而是選擇大幅強化供電模組(VRM)。由於我們當時相當看好這一代CPU的超頻性以及運算效能，因此TRX40 Taichi擁有16相供電、誇張的巨型散熱片、熱導管，以及兩顆直吹的散熱風扇。簡單來說，Taichi更面相於「電腦玩家」，而「支援多路顯示卡」這份重擔，就交棒給另一支專攻小型工作站以及內容創作者的TRX40 Creator。

當然，後續很可惜的是，AMD並沒有繼續著墨於TRX40這個平台，TRX40僅支援一代處理器便告終...。我們設計了一個非常強大的主機板，苦等不到相匹配的處理器便黯然落幕。

This was the year AMD unleashed its next-gen HEDT juggernaut: the TRX40 platform. Even though it succeeded the X399, we chose not to replicate the multi-GPU focus of the older X399 Taichi. Instead, we shifted gears to massively beef up the Voltage Regulator Module (VRM). We saw insane overclocking and processing potential in these new CPUs, so we loaded the TRX40 Taichi with a killer 16-phase power delivery system, a ridiculously massive heatsink array, heat pipes, and two dedicated cooling fans blowing directly onto the VRM. Simply put, we tailored the Taichi to be the ultimate enthusiast playground, while passing the multi-GPU torch over to the TRX40 Creator, which was optimized for small workstations and video editors.

Sadly, things didn’t go as planned afterward. AMD unexpectedly shifted its focus away from the TRX40 platform, leaving it stranded with support for only a single generation of CPUs. We engineered an absolute beast of a motherboard, only for it to meet an early retirement because it lacked a future processor to truly stretch its wings.


ASRock
Z490 TAICHI
88


TAICHI XVII


ASRock
88

Z490 TAICHI

從這一代開始，我們開始在供電模組(VRM)上方加入了一顆直吹風扇。我們知道大多數人並不這麼喜歡VRM風扇，因為它有可能帶來多餘的噪音，以及增加未來故障需要返修的可能性。我們並不是為了某種虛幻、某種對多數人來說遙不可及的超頻性才加上這顆風扇的，是因為頂規CPU真的太熱、太耗電了，尤其多數人會搭配一體式水冷散熱器，缺乏風流對供電區域的零組件來說是非常嚴苛的環境，這就是為什麼我們開始加上一顆VRM風扇。

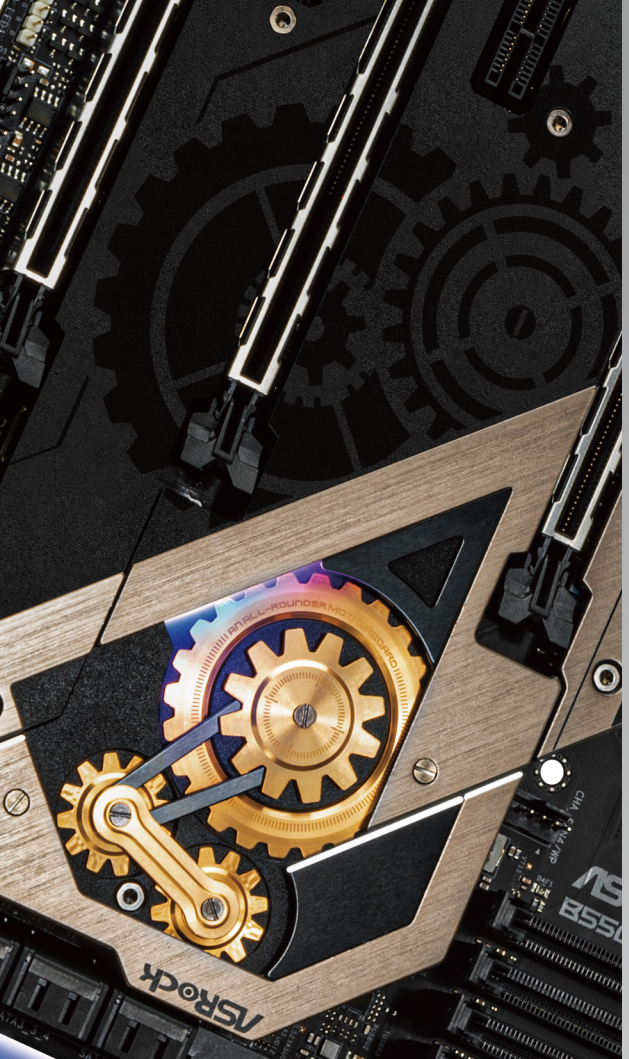
我們嚴格挑選風扇的供應商，確保噪音以及壽命能夠符合玩家們的預期。所幸這個決定最終被市場所接受。

這代開始，我們也嘗試搭配不同顏色。必須要有質感，符合工藝美感，而且搭配黑、白機殼都必須合適。嘗試過幾種顏色以後，最後我們很滿意古銅色帶來的效果。

This generation marked the introduction of an active cooling fan right over the VRM. Look, we get it—most builders aren't thrilled about small VRM fans. They can introduce unwanted whine and add another mechanical point of failure that might require an RMA down the road. But we didn't add this fan just for some theoretical, extreme overclocking clout that 99% of people will never use. We did it because flagship CPUs had become incredibly hot and power-hungry. Furthermore, with most high-end builds adopting All-in-One (AIO) liquid coolers, the complete lack of airflow around the CPU socket creates a brutal thermal environment for VRM components. That’s the real reason we integrated active VRM cooling.

We vetted our fan suppliers meticulously to guarantee that the noise levels and lifespan met enthusiast standards. Fortunately, the community understood our reasoning, and the design choice was well received.

We also started experimenting with alternative colorways this generation. It had to look premium, exude mechanical quality, and seamlessly blend with both all-black and all-white chassis designs. After testing several options, we fell in love with a striking copper/bronze accent theme.



2020/05

B550 TAICHI

B550 Taichi是第一支出現在非頂規晶片組的Taichi，這個決定在當時內部有相當激烈的討論，有人認為Taichi應該維持傳統，只在最頂規的晶片組出現；但另一派人認為，以B550的規格另推出一張Taichi，在帳面上完全不居於弱勢，也更符合市場主流選擇。最後，後者勝出，B550 Taichi面世。關鍵決議點，是當時X570晶片組因為溫度關係，主機板上必須外掛一顆風扇幫助解熱，但B550不需要這麼做，因此我們評估B550會是比X570更受到玩家喜愛。

在規格上我們盡可能讓B550 Taichi可以與X570 Taichi站在同樣的高點，甚至把供電相數堆得比X570 Taichi還要高。而在外觀上，B550 Taichi延續了古銅色調，同時我們再次強化了齒輪元素，運用更多齒輪堆疊出工藝與精緻感。也是從這時開始，Taichi開始有了這麼一點Steampunk的味道，我們收到來自全球的期望，提出希望齒輪能夠轉動的訴求。

The B550 Taichi marked the very first time the Taichi brand migrated down to a non-flagship chipset. This move sparked some incredibly heated debates internally. Some felt the Taichi should strictly stick to top-tier chipsets to preserve its premium pedigree, while others countered that a properly spec'd B550 Taichi could hold its own against any flagship board and perfectly hit the market's sweet spot. Ultimately, the latter group won, and the B550 Taichi was born. The deciding factor came down to thermals: the X570 chipset ran so hot it required an active cooling fan on the board, whereas the B550 could run completely fanless. We figured a silent, cool B550 platform would actually be more appealing to builders.

On the hardware side, we did everything possible to ensure the B550 Taichi stood shoulder-to-shoulder with its X570 sibling, even going as far as giving it a heavier power phase count than the X570 Taichi. Visually, the B550 version carried over the copper/bronze accents while dialing up the gear elements, layering multiple gears to create a beautifully machined, intricate look. It was during this period that the Taichi began flirting with a distinct Steampunk vibe, prompting a flood of feedback from global fans asking: "Can you actually make the gears spin?"


RAZER EDITION
ASRock
X570 TAICHI
RAZER CHROMA RGB
RAZER EDITION
RAZER CHROMA RGB
RAZER EDITION
HDMI
USB

2020/11

B550 TAICHI RAZER EDITION
X570 TAICHI RAZER EDITION

從2020年的台北國際電腦展(Computex)開始，我們接洽世界最知名的鍵鼠品牌 – Razer，希望藉由聯名產品的方式，補足ASRock缺乏周邊領域的弱勢，也與缺乏主機板的Razer共同建立起完整生態系，這是一個雙贏的決定。

我們選擇AMD平台兩張Taichi – X570 Taichi以及B550 Taichi，整套主機板外觀交由Razer方操刀設計，以與Razer產品有一致的設計語彙。歷經多次樣品測試以及來回討論，我們對於最終呈現效果非常滿意，有沉穩的黑色外觀以及流暢的RGB燈光效果。

其中一個小故事，是我們原先計畫將後方所有USB埠都改成綠色，以更契合Razer的企業色。但Razer的綠色是一種很魔幻的綠色，我們原料供應商無法生產出顏色令我們滿意的料件，最終妥協改為全部黑色，所幸效果很不錯，並沒有違反產品存在的初衷。

Going back to Computex 2020, we kicked off talks with Razer, the global heavyweight in gaming peripherals. Our goal was simple: bridge ASRock's gap in the peripheral space through a co-branded product, while helping a motherboard-less Razer build out a complete hardware ecosystem. It was a textbook win-win scenario.

We chose our two AMD-based heavy hitters—the X570 Taichi and B550 Taichi—and handed the entire exterior design over to Razer to ensure it perfectly matched their signature design language. After numerous rounds of prototyping and back-and-forth tuning, we were absolutely thrilled with the final look: a sleek, stealthy matte-black finish paired with buttery-smooth RGB lighting integration. Here’s a fun little backstory: we originally wanted to change all the rear I/O USB ports to bright green to match Razer's brand color. However, Razer’s green is an incredibly elusive shade to replicate on plastic. Our materials suppliers just couldn't deliver a hue that met our standards, so we ultimately compromised and went with all-black ports instead. Luckily, the stealth look turned out fantastic and stayed true to the product's premium identity.


ASRock
Z590 TAICHI
Z590 TAICHI
PHILOSOPHY OF INFINITE POTENTIAL
PHILOSOPHY OF INFINITE POTENTIAL
TAICHI

Z590 TAICHI

「齒輪」元素是從第一張Taichi開始，就存在的經典設計。而我們一路走來，設計上也是圍繞著齒輪在進行。因此市場一直存在希望能夠「讓齒輪轉動」的呼聲。Z590 Taichi就是實現這個願望的第一張Taichi，在Z590 Taichi後方I/O處的一顆銀色齒輪，在整點時便會如鐘錶一樣，一格、一格的開始轉動。

其實我們本來想讓齒輪轉動得更頻繁一點，譬如２４小時都在緩緩地轉動，而不僅僅是整點轉動。不過我們當時對這顆馬達機構不夠熟悉，擔心馬達會在主機板產品生命週期還沒到達前就先失效、故障，因此只能採取一個相對保守的作法。另外一點，是我們原本打算大齒輪轉動時，能夠咬合旁邊的小齒輪，帶動小齒輪一起轉動。不過這種咬合設計十分要求加工精細度，而且可能會大幅提升產品在運送時故障的可能性，所以我們只好放棄這個提案。

The "gear" motif has been a core element of the Taichi identity since day one, and our visual style has always evolved around it. Because of this, fans had been begging us for years to make them actually spin. The Z590 Taichi finally turned that dream into reality. We integrated a real mechanical silver gear right on the rear I/O shroud that would click forward step-by-step at the top of every hour, just like a mechanical timepiece.

To be honest, we originally wanted the gear to rotate much more frequently—like a continuous, slow 24-hour spin instead of just an hourly movement. But since this micro-motor mechanism was uncharted territory for us at the time, we worried it might burn out and fail before the end of the motherboard's typical lifespan. Consequently, we played it safe with a more conservative rotation schedule. Another idea we explored was having the main gear interlock with and spin the smaller adjacent gears. However, that level of physical interlocking demanded insane manufacturing precision and would have drastically increased the risk of components shifting or breaking during shipping. Reluctantly, we had to scrap that proposal.


ASRock
Z690 TAICHI
Z690
TAICHI


TAICHI


ASRock

Z690 TAICHI

「齒輪轉動」在Z690 Taichi這一代依然被延續下來，而且我們進一步打磨齒輪的工藝感，讓它看起來更有細節。甚至你可以在主機板上看到銅管外露的細節，這些都是我們參考Steampunk風格，刻意讓Taichi有這種味道。

這一代我們還附上了一個小配件 – 顯示卡支撐架(Graphics Card Holder)，目的是透過這個小零件的上下可調機構，幫忙分擔日益沉重的顯示卡，減輕PCIe插槽的重量負擔。雖然看起來很不顯眼(我們故意這麼設計的)，但實際支撐效果還不錯，我個人很喜歡這個貼心的設計。不過市場顯然更喜歡「漂亮」、「顯眼」的柱狀支撐結構，所以之後我們就把這個配件拿掉了。

The spinning gear mechanism returned for the Z690 Taichi, and we spent extra time refining the machining to add even more intricate detail. We even exposed miniature copper pipes on the board, leaning heavily into a refined Steampunk vibe that gave the hardware an unmistakable, retro-futuristic aesthetic.

We also bundled a clever little accessory this time around: an adjustable Graphics Card Holder. Designed to combat GPU sag, this low-profile bracket anchored to the board to ease the physical strain on the PCIe slot caused by increasingly massive graphics cards. While we intentionally designed it to look stealthy and unobtrusive, it worked brilliantly, and I personally loved how practical it was. However, the market made it clear they preferred flashier, standalone GPU support pillars, so we eventually discontinued the bundled bracket in later generations.


Z690
TAICHI
ASRock
HDMI
DDR5
Z690
TAICHI
RAZER EDITION
RAZER CHROMA RGB

2022/01

Z690 TAICHI RAZER EDITION

有鑑於先前與Razer聯名叫好又叫座的成功，雙方都很滿意市場評價，因此我們決定於Intel平台再推出一款Razer聯名款Taichi。同樣的，外觀設計部分全權交由Razer操刀，甚至連每一張照片都要由Razer進行最後的把關與修圖，雙方都十分看重這幾次的合作。

最後結果雙方都十分滿意，這是一個無論在市場評價與銷量上，都獲得了成功的產品。

Given how incredibly successful and well received our previous AMD collaboration was, both teams were eager to bring the Razer Edition treatment over to Intel’ s Z690 platform. Once again, Razer took total creative control over the aesthetic. The partnership was so tight that Razer’ s team even handled and personally approved every single marketing photo and render.

The final product blew both teams away. It turned out to be an absolute home run, scoring rave reviews from hardware communities and crushing it in sales numbers.


X670E
TAICHI
ASRock X670E TAICHI


PHILOSOPHY OF INFINITE POTENTIAL X670E
TAICHI
TAICHI XX

2022/05

X670E TAICHI

AMD來到了全新AM5腳位，沒想到路上遭遇很多困難。首先，X670E是兩顆PCH串在一起的設計，但熱量是1+1>2，PCH散熱片必須顯著加大才足以解熱。而且為了應付未來的CPU，供電相數也必須向上提升，而更多供電相數必然伴隨著更大的散熱片。最終，X670E Taichi擁有了有史以來最大的VRM散熱片，幾乎跟磚頭一樣巨大。甚至我們還加了一根熱導管連接VRM以及PCH，以互相平衡兩側的熱量。

各種因素複合考量下，PCB尺寸從Taichi維持數年之久的ATX，加大成E-ATX。這其實是我們一直想避免的事情，畢竟ATX還是擁有機殼相容性優勢，但為了符合玩家對於規格的期待，不得不這麼做。

With AMD transitioning to the brand-new AM5 socket, we ran into a massive wall of engineering roadblocks along the way. For starters, the X670E platform utilized a dual-chipset architecture. In terms of heat, one plus one turned out to be way more than two, requiring a substantially larger PCH heatsink array to handle the thermal load. To make matters worse, prepping for future CPUs meant pushing power phases to new heights, and more power phases inevitably demand larger blocks of aluminum. Consequently, the X670E Taichi ended up with the most gargantuan VRM heatsink we' ve ever engineered—it was practically a brick. We even went as far as adding a long heat pipe linking the VRM block directly to the PCH heatsink just to balance out the heat loads across both sides.

Weighing all these crazy thermal demands, we had to make a tough call: expand the PCB form factor from standard ATX—which the Taichi had maintained for years—up to E-ATX. We honestly tried our best to avoid this because standard ATX has a huge advantage when it comes to case compatibility. But to deliver the absolute top-tier specs enthusiasts expected, our hands were tied.


TAICHI
ASRock
BLAZING M.2


ASRock
Z790 TAICHI
Z790 TAICHI
ASRock
HDMI
DDR5

2022/09

Z790 TAICHI

你注意到了嗎？ 從Z790 Taichi開始，我們把「齒輪轉動」的元素拿掉了。雖然評價不錯，但馬達是個很占空間的零件，我們經過一番討論之後，認為把馬達拿掉，改放入更多USB埠，或是加大散熱面積，對玩家來說會是更理想的選擇。

我們還是很喜歡這種讓主機板本身產生「動感」的設計，它為生硬的主機板注入了細節與心血，而不只是電腦裡的一片PCB與電子零件。或許哪天可以讓這顆齒輪再度回歸，或是用其他方式呈現。曾經有人建議放入一片OLED螢幕，讓螢幕撥放齒輪轉動的動畫。但我們否決了這項提案，齒輪之所以是齒輪，就是因為它存在著機械、動態與數學之美，這是動畫無法取代的。

Did you spot the change? Starting with the Z790 Taichi, we decided to retire the motorized spinning gear feature. While the community loved the novelty, the micro-motor ate up a significant amount of physical real estate on the board. After a lot of internal debate, we realized that removing the motor to make room for extra USB ports and expanded heatsink surface area would ultimately be a much better deal for builders.

That said, we still have a soft spot for designs that bring a sense of "motion" to hardware. It injects a bit of soul and premium craftsmanship into a product that is otherwise just a cold piece of fiberglass and silicon. Who knows? Maybe the physical spinning gear will make a comeback someday, or evolve into something else. Someone internally actually suggested slapping an OLED screen on there to play an animation of spinning gears. We quickly shot that idea down. The beauty of a gear lies in its physical, mechanical, and mathematical reality—that’ s something a digital animation can never replicate.


ASRock
ANNIVERSARY


Z790 TAICHI
CARRARA

2022/09

Z790 TAICHI CARRARA
X670E TAICHI CARRARA

2022年是ASRock成立的二十周年，我們很早就決定要用「Carrara」這個專有名詞推出紀念款產品。「Carrara」是一款白底帶灰色紋路的美麗大理石，象徵著華擎這20年來的努力，正如同大理石需要經過的千錘百鍊，才有今天的成就一樣。AS「Rock」與「Carrara」，這是一個很有意義與連結的名字。

但要如何在主機板上表現「Carrara」的質感令我們傷透腦筋。當然不可能用真的大理石，這不切實際；塑膠材質或貼紙會嚴重影響散熱效果；最後選擇較昂貴的金屬銘板，擁有最佳質感，也不影響散熱效果。即使選定材質，我們還是花了無數的時間進行打樣，包括白色要多白？紋路要長什麼樣子？渲染效果？花紋方向？看似單純的設計，卻花了無數心力。最後呈現出來的效果很棒！而且，這種半黑、半白的設計，隱約有初代Taichi的影子，這次一次很成功的嘗試。

2022 marked ASRock's 20th anniversary, and we celebrated it by launching a special commemorative edition named 'Carrara'—a stunning white marble with elegant gray veins that perfectly matches the 'Rock' in our name.

However, bringing a marble texture to life on a motherboard was an absolute nightmare. Real marble was obviously impractical, while plastic or stickers would severely bottleneck thermal dissipation. In the end, we opted for high-grade metal nameplates, which offered the absolute best premium finish without hurting cooling performance. Even then, we spent endless hours prototyping the exact whiteness, gradient blending, and pattern direction. It looked incredibly simple on paper, but it drained an immense amount of effort.

The final result was breathtaking. Plus, with that striking split black-and-white design, it felt like a subtle nod to the original first-generation Taichi. It turned out to be a highly successful venture.


PHILOSOPHY OF INFINITE POTENTIAL

2022/10

B650E TAICHI

同樣的，B650E Taichi是我們第二次將Taichi下放到非頂級晶片組產品當中。還記得嗎？上一片這麼做的是B550 Taichi。

設計大原則跟X670E Taichi一樣：必須慎重以對，而且一次做到最好。所以跟X670E Taichi比起來，規格與外型都毫不遜色，僅僅少了一些M.2插槽以及SATA埠而已。對多數人來說，這會是更具有性價比的選擇。

The B650E Taichi marked our second venture bringing the Taichi tier down to a non-flagship platform—the spiritual successor to our older B550 Taichi.

The core design ethos remained identical to the high-end X670E version: treat the design with absolute respect and make it flawless. As a result, its hardware specs and aggressive aesthetics stand shoulder-to-shoulder with its bigger brother, only trimming a few M.2 slots and SATA ports. For the vast majority of builders, this board easily hits the sweet spot for pure price-to-performance value.


TAICHI
ASRock
Z790 TAICHI LITE
M.2 WIFI


TAICHI
ASRock
B650E TAICHI LITE

2023/07

B650E TAICHI LITE
Z790 TAICHI LITE

有沒有發現，Taichi變得越來越華麗了？對比初代Taichi，多了精緻的外觀、更大的散熱片、RGB燈光、散熱背板等等，這些設計意味著更高的成本與終端價格。雖然這一路上都是因應市場需求，而陸續新增的設計，但也有許多玩家，不需要華麗外觀，他只希望買到強悍規格以及穩定的產品。於是，「Taichi Lite」誕生了。

「Taichi Lite」的設計理念，是所有規格必須與標準版保持一致，這是我們給所有玩家不能違背的承諾。但我們把一切華麗裝飾都移除掉了，不再有美麗的銘板；拿掉厚實的背板；將散熱片縮減到合理尺寸。最後，Taichi Lite在外型上明顯遜於標準版，但價格也拉開了差距，更重要的是，一樣可以享受到身為Taichi最新的規格以及效能。我們原本有點擔心，Taichi Lite的設計理念並不能打動消費者。所幸Taichi Lite十分受到市場歡迎，令我們鬆了一口氣。有趣的是，Taichi Lite在歐美十分熱銷，但在亞太，還是標準版Taichi更受歡迎。

Have you noticed how flashy the Taichi lineup has become? Compared to the original, modern Taichis feature premium finishes, massive heatsinks, elaborate RGB, and full backplates, driving up retail prices. While these met market demands, we realized many gamers don't need the flashy armor—they just want bulletproof specs and rock-solid stability. That led to the birth of 'Taichi Lite.'

Our core promise was non-negotiable: the underlying specs must be identical to the standard version. However, we stripped away all non-essential aesthetic flair—we ditched the decorative metal nameplates, removed the thick backplate, and trimmed the heatsinks down to an efficient size. Visually, the Taichi Lite looks noticeably tamer, but it created a meaningful price gap. More importantly, users still enjoy the exact same flagship performance of a true Taichi. We were anxious about whether this utilitarian concept would resonate with consumers. Luckily, it became a massive hit, letting us breathe a sigh of relief. Interestingly, the Lite models flew off the shelves in Western markets, while Asia-Pacific users still heavily favored the fully clad standard editions.


TAICHI x3d
EZ RELEASE
PHILOSOPHY OF INFINITE POTENTIAL


TAICHI


TAICHI


ASRock
BLAZING M.2

2024/09

X870E TAICHI
X870E TAICHI LITE

從這一世代開始，你會發現我們把DDR5插槽，外層包的一層鐵皮給拿掉了。這層鐵皮對DDR5記憶體從物理插拔上，或是訊號傳輸上，其實沒有實質幫助。因為記憶體重量不重，不須外加一層鐵皮去加強插槽的牢固性，也不可能因為頻繁的插拔，導致插槽脫焊。可以說這層鐵皮只是單純的外觀取向，因為「看起來」做工細緻，比較安心，比較有質感。

沒有好處，沒想到卻有壞處。這層鐵皮在我們測試中，會略為影響到記憶體超頻性。雖然影響幅度不大，小於100MHz，但我們希望提供給玩家是不能被妥協的效能，於是從這個世代開始，DDR5插槽再也沒有這一層鐵皮了。

Starting with this generation, you'll notice we completely removed the metal shielding wrap from the DDR5 slots. In reality, that layer of metal armor offers zero practical benefits for DDR5 memory—whether for physical durability or signal integrity. RAM sticks are incredibly lightweight, meaning they don't require reinforced slots to stay secure, nor will frequent swapping ever cause the slots to break off the PCB solder points. Truth be told, that metal shielding was purely cosmetic—it just made the slots look premium and gave users peace of mind.

Unfortunately, while it offered no performance benefits, it did introduce a downside. During our strict testing, we discovered that the metal armor slightly degraded memory overclocking headroom. Even though the impact was minor—under 100MHz—we refuse to compromise on raw performance for our users. That's why, starting this generation, we ditched the metal RAM armor for good.

2024/10

Z890 TAICHI / Z890 TAICHI LITE
Z790 TAICHI OCF / Z890 TAICHI AQUA

從這個世代開始，Taichi不再單打獨鬥，而是成為一個完整系列。Taichi系列並不是垂直由上而下，以高、中、低階分層，這違反了我們的初衷。我們選擇橫向擴展，讓Taichi朝著每一個不同的方向站上頂尖。

如果你希望組裝一台水冷主機 – Taichi AQUA
如果你希望在超頻榜上名列前茅 – Taichi OCF
如果你想要有擁有頂尖規格 – Taichi
如果你比起美觀，更在乎功能性 – Taichi Lite

自此，Taichi成為了更多元、更全能的戰隊。不同領域需求的使用者，都可以在Taichi身上找到最適合的那張主機板。

With this generation, the Taichi ceased to be a standalone motherboard and blossomed into a fully realized hardware family. We chose not to structure this family into a rigid vertical hierarchy of high, mid, and low tiers—that would go against our identity. Instead, we expanded horizontally, launching specialized Taichi variants designed to conquer their respective fields:

- For the ultimate custom liquid-cooled rig: Taichi AQUA
- For competitive overclockers chasing world records: Taichi OCF
- For enthusiasts demanding the ultimate, uncompromised feature set: Taichi
- For pure hardware minimalists prioritizing function over form: Taichi Lite

This expansion transformed the Taichi into a diverse, all-powerful roster. No matter what your niche is, there is now a Taichi perfectly tailored to your build.

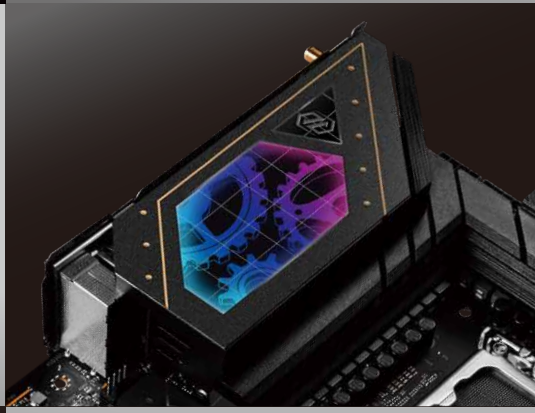

AQUA
/ASRock


AQUA
BLAZING M.2


OC FORMULA


/ASRock
Z890 TAICHI OCF
Z890 TAICHI OCF


/ASRock
Z890 TAICHI
Z890 TAICHI




/ASRock


/ASRock
Z890 TAICHI
Z890 TAICHI

A DECADE OF MASTERY

十年過去，Taichi從最初一個異想天開的念頭，到現在已經開花結果成ASRock最輝煌的榮耀。不是我們很厲害，是因為有全球玩家的支持，Taichi才能站穩腳步並持續茁壯。沒有什麼比費盡心血推出的產品受到市場熱烈歡迎，更能夠激勵人心的了。邀請你與我們一起，與Taichi共同邁入下一個十年。

A decade has flown by, and the Taichi has evolved from a wild, optimistic idea into ASRock's proudest and most glittering achievement. This milestone isn't a reflection of our own brilliance; it belongs entirely to the global community of builders and enthusiasts who supported us. There is nothing more deeply rewarding or inspiring to a design team than seeing a product we poured our hearts into get embraced so passionately by the market. We warmly invite you to step into the next decade of innovation right alongside us. Here's to the next ten years of Taichi!