



# Alpha Quark

## Whitepaper v5.0

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# 1. Where are we now?

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## 1-1. Entering a new cycle

To understand where we are in 2024, it is important to comprehend the circumstances of the previous year, 2023. In 2023, the first half of the year found itself squarely under the influence of a pronounced global economic downturn. With the Federal Reserve continuing to raise interest rates, liquidity tightened worldwide, resulting in the cryptocurrency industry experiencing a formidable bear market. The total market capitalization of cryptocurrency assets decreased by over \$2.2 trillion.

The crypto industry was devastated due to a series of events and scandals in 2022 that struck fear into the hearts of market participants, including the [collapse of Terra](#), the [bankruptcy of FTX](#), and the [bankruptcy of 3AC](#). The market collapse also left major institutions like [BlockFi](#) and [Genesis](#) unable to escape the impact, leading to bankruptcies or liquidations.

This atmosphere persisted into the first half of 2023. Throughout the first half of the year, the global economic downturn continued, and the momentum for an economic rebound gradually diminished. While inflation had somewhat eased, it still remained at levels that significantly impacted the global economy.

However, as is often the case, it appears that the crypto winter has already ended, and we are positioned at the start of a new bull market.

Strong positive factors such as the Bitcoin spot ETF and Bitcoin halving are raising market participants' expectations for crypto, and significant capital inflows are supporting the market as institutional investors prepare for substantial involvement.

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# 1. Where are we now?

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## 1-1-1. Bitcoin spot ETF

In 2024, the biggest buzzword in the cryptocurrency market is, above all, the Bitcoin spot ETF. On January 10, 2024, the U.S. SEC approved the spot Bitcoin ETF, and within about three months, approximately \$13 billion in new funds flowed into the ETF. The total market value of the Bitcoin held by the ETF reached \$60 billion. Due to the dramatic rise in new market participants, the price of Bitcoin has exceeded the all-time high from the COVID era.

By comparing the current situation with the forecasts made by one of the world's largest investment expert groups, the asset management company [VanEck](#), before the approval of the spot Bitcoin ETF regarding its impact and the price of Bitcoin, we can understand where we stand now.

The group of experts compared it to a commodity and store of value similar to Bitcoin, which is Gold's ETF. In other words, they utilized the [SPDR Gold Shares \(GLD\)](#) ETF, launched on November 18, 2004. Furthermore, it wasn't a simple comparison; they also performed adjustments, taking into account the dollar's value and currency volume in 2023. Their argument is as follows.

After the launch of the GLD ETF, a whopping \$1 billion in new capital flowed in during the first few days. By the early months of 2005, approximately \$2.26 billion had been invested in the GLD ETF. At that time, the total supply of physical gold was 152,000 metric tons, with each ton valued at \$15.6 million, resulting in a market capitalization of \$2.36 trillion. In other words, in the first few days after the ETF's launch, an amount equivalent to 0.04% of the market capitalization flowed in. After one quarter, by March 31, 2005, the amount invested in GLD had reached \$2.26 billion, and considering the market capitalization and supply of gold at the time, GLD accounted for approximately 0.1% of the gold market capitalization.

Based on the data identified in the aftermath of these gold ETFs, VanEck has made estimates regarding the price impact that the Bitcoin spot ETF could have. It is estimated that approximately \$310 million could flow in during the first few days, and around \$750 million in the first quarter.

# 1. Where are we now?

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## 1-1-1. Bitcoin spot ETF

At that time, the financial landscape featured significantly higher interest rates and a lower money supply, which contrasts somewhat with the situation in 2023. According to the [New York Federal Reserve Bank](#), the M2 money supply in 2004 was \$6.4 trillion, while as of October 2023, it stands at approximately \$20.7 trillion. With a roughly 3.23-fold increase in the money supply, the actual inflow following the Bitcoin spot ETF could be adjusted to approximately \$1 billion in the first few days, and around \$2.4 billion over the course of the following three months.

Considering this logic, the size of the Bitcoin spot ETF could grow to approximately 1.7% of the total BTC market capitalization, which is a level similar to the proportion that gold ETFs occupied within the total supply. As awareness among the public regarding assets like Bitcoin as an inflation hedge through physical assets increases around 2024, it is anticipated that, applying the multiplier of 3.23x based on the M2 money supply, a total inflow of approximately \$40.4 billion could occur within the initial two years.

Similar to VanEck's simulations, Galaxy research has also conducted simulations on the price impact of Bitcoin based on capital inflows. In the case of Galaxy, they estimated that approximately \$14.4 billion would flow in during the initial year, and as a result, they published a report predicting a roughly 74.1% increase in BTC price over the course of one year.

In conclusion, it is evident that the influx of new funds occurred about three times faster than the figures predicted by expert institutions like VanEck and Galaxy Research regarding the impact of the Bitcoin spot ETF prior to its approval.

Furthermore, the perspective of institutional investors toward digital assets is changing. With Bitcoin being seen as a store of value, an inflation hedge, and a liquid alternative investment asset, the cryptocurrency market is expected to improve further.

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# 1. Where are we now?

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## 1-1-2. Bitcoin halving

In addition, the upcoming Bitcoin Halving scheduled for the first half of 2024 will reduce the quantity of newly mined Bitcoins from the current 6.25 per block to 3.125 per block.

To gauge the scarcity of Bitcoin, one can utilize the Stock to Flow model to understand how scarcity is increasing. Stock refers to the total quantity, while Flow represents the annual production. Gold, for instance, currently has a production of about 3,000 metric tons annually out of a total stock of 185,000 metric tons. This implies that it would take approximately 62 years to produce the current stock.

As of September 2019, the total supply of Bitcoin was 18,000,000, assuming a daily mining rate of 1,800 Bitcoins. This results in an approximate Stock to Flow (S2F) ratio of about 27. Bitcoin experiences a significant increase in its S2F ratio due to halving events. Following the halving that occurred after 2019, the S2F ratio reached the level of 52, becoming similar to that of gold, which is around 62 to 63. Bitcoin is expected to reach a level of 113 after the 2024 halving, signifying an even greater level of scarcity compared to gold.

Gradually, more market participants are recognizing the scarcity of Bitcoin and paying attention to its value as a store of value, as well as considering it as a good hedge against inflation. These favorable factors are expected to have a positive impact on the crypto market.

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# 1. Where are we now?

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## 1-2. A new beginning for NFTs

As we have seen earlier, with Bitcoin leading the way, the perception of institutional and retail investors towards digital assets is expected to improve. Considering spot Bitcoin as the target asset for ETF products signifies recognition of Bitcoin's value as a store of wealth, its security, and its potential for future growth as an alternative investment. Furthermore, this broadened perception of digital assets is likely to lead to the conclusion that it will be possible to securely store and transact data-based value on the blockchain.

Many people continue to focus on NFTs (Non-fungible Tokens) because they recognize the potential for blockchain to go beyond merely storing information related to native coins. NFTs can serve as a crucial means to record new data from outside sources onto the blockchain and utilize its security features. However, examining the trends since NFTs started gaining attention in 2021, it might seem that the NFT phenomenon was merely a short-lived boom.

According to a report by Cointelegraph, the NFT market saw its trading volume peak at \$1,468 million in April 2022, but it has steadily declined since then, hitting a low of approximately \$114 million in May 2022, marking a nearly 98% decrease. Many market participants began questioning the utility of NFTs.

However, examining recent trends related to NFTs suggests that, similar to the overall cryptocurrency market during the major downturns of 2018, 2019, and the years 2022 and 2023, the NFT market is also undergoing a maturation process. According to recent research data from The Block, from the end of 2023 to the first half of 2024, the weekly transaction volume exceeded 500 million USD. This indicates a significant revival and growing stability in the market for NFTs.

Additionally, the exploration of new standards and ideas continues to evolve in the NFT space. Notable examples include Hybrid NFTs and Phygital NFTs.

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# 1. Where are we now?

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## 1-2. A new beginning for NFTs

The introduction of the ERC404 standard by [Pandora](#), which merges the characteristics of ERC20 and ERC721 tokens, has significantly highlighted this new category of digital assets. This experimental token standard has been crucial in advancing the Hybrid NFT movement by enabling fractional ownership of NFTs. Essentially, it allows an NFT to be split into smaller segments that various individuals can own, effectively addressing a major hurdle in the NFT market: liquidity. Thanks to ERC404, it's now possible for investors to own portions of highly valuable digital art, for example, without the need to buy the full artwork, thereby making expensive NFTs more available to a wider range of people.

The applications for Hybrid NFTs are extensive and varied. They encompass sectors such as art and collectibles, allowing for partial ownership and trade of items, as well as real estate and virtual land, which can be jointly owned by multiple investors. In the realm of gaming, Hybrid NFTs enable collective ownership of assets like in-game items or characters. Additionally, they offer promising prospects in the music industry, where fans can possess a share of a song or album, and in managing intellectual property rights. This versatility underlines the broad utility and appeal of Hybrid NFTs across different domains.

The momentum towards Hybrid NFTs, anticipated to rise significantly in 2024, is driven by advancing technology that facilitates fractional ownership, improved liquidity, and expanded market reach. As blockchain technology becomes more sophisticated and the adoption of mainstream cryptocurrencies increases, the demand for more accessible NFTs is expected to escalate. Hybrid NFTs are appealing to both creators, who seek innovative ways to monetize their work, and investors, who are eager to access assets that were previously out of reach. This movement is likely to foster continuous innovation, with new initiatives and platforms developing to leverage this trend. As the blockchain landscape evolves and the integration of traditional finance with decentralized finance (DeFi) deepens, Hybrid NFTs are set to become a critical link between these sectors.

In addition to Hybrid NFTs, another area that is gaining new attention is Phygital NFTs.

# 1. Where are we now?

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## 1-2. A new beginning for NFTs

Phygital NFTs blend the physical and digital realms, introducing a tangible element to the inherently virtual characteristics of NFTs. This creative approach utilizes blockchain technology to authenticate, verify, and associate digital tokens with physical items or experiences, ranging from artwork to concert tickets. This integration facilitates a more enriched interaction with digital assets, enhancing their value and appeal.

A standout illustration of Phygital NFTs is the partnership between the high-end watchmaker Jacob & Co. and the NFT platform ArtGrails. This collaboration led to the tokenization of a luxury watch, effectively merging a physical timepiece with its digital counterpart. Similarly, Nike's acquisition of RTFKT, a digital studio, integrates physical footwear with digital assets. This allows purchasers of specific sneaker models to obtain a digital twin as an NFT, which can be utilized in virtual spaces or as a certificate of authenticity and ownership. These examples highlight how brands are fusing the physical and digital spheres, thereby augmenting the value of traditional luxury items and collectibles through the innovative application of NFT technology.

Successful implementations of Phygital NFTs have demonstrated their ability to enhance customer engagement, confirm ownership, and provide unique collectible experiences. As technology advances, the application of Phygital NFTs is set to expand, increasingly blending the physical and digital worlds. Essentially, Phygital NFTs are at the forefront of creating a new hybrid reality, pioneering methods to unify our digital and physical experiences. With the ongoing evolution and broader adoption of technology, we can anticipate a future where Phygital NFTs redefine our understanding of ownership, value, and interaction across both tangible and virtual spaces.

In essence, NFTs are not merely for straightforward buying and selling; they also fulfill functional roles, such as serving as evidence of participation through the Proof of Attendance Protocol (POAP) or acting as proof of membership when combined with social platforms. In the dynamically evolving domain of Web3.0, NFTs further function as exchangeable items and official records, especially within the gaming industry. This highlights their versatile applications beyond simple transactions, embedding them more deeply into digital interactions and community engagements.

Alpha Quark holds a positive outlook for the future of NFTs. They anticipate new opportunities to activate the NFT ecosystem with the advent of a new Crypto summer.

# 1. Where are we now?

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## 1-3. Generative AI

In November 2022, with the public release of OpenAI's ChatGPT service, the world began to directly witness the rapid pace of AI evolution. While Facebook took 4.5 years to reach 100 million active users and TikTok took 9 months, ChatGPT achieved this milestone in less than two months. This marked a significant moment in demonstrating the accelerating speed at which artificial intelligence technologies are being adopted globally.

We have moved beyond an era where it seemed impossible to gather and utilize billions of parameters for training, to a time where ultra-massive AIs are being developed with trillions of parameters. This marks a profound leap in the capabilities of artificial intelligence, expanding the potential for more complex and nuanced machine learning applications.

People around the world have come to realize what can be accomplished through the ChatGPT (Generative Pre-trained Transformer) AI model, and are experiencing firsthand the possibilities of a world once only imagined with AI. This interaction has opened up new perspectives on the practical applications and transformative potential of artificial intelligence in everyday life.

With a clear prompt, individuals can now concretely generate and visualize ideas and images that previously existed only in imagination. Tasks that once required numerous experts, such as content production, design, and idea brainstorming, can now be accomplished much more simply. This accessibility has led to a dramatic increase in productivity, revolutionizing how creative outputs are developed and executed.

Alpha Quark believes that the monumental shifts of this era are not confined to any single sector. Just as blockchain began within the financial sphere as a peer-to-peer cash system through Bitcoin and then expanded by merging with numerous technological and industrial areas to forge a new era, AI technology is also expected to grow explosively through integration. Similarly, blockchain technology will likely undergo transformative changes as it converges with AI, leading to innovative developments and applications across various fields.

## 2. Alpha Quark since 2020

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### 2-1. What we have done

- (June 3, 2021) NFT Marketplace - Alpha Quark has launched an NFT marketplace that allows users to create and sell new NFTs. Users can also purchase NFT items from the marketplace. Alpha Quark tokens can be used as a payment method for buying or selling NFTs.
- (June 4, 2021) Bridge Service - Alpha Quark has collaborated with Poly Network to add functionality that allows users to exchange ERC20-based Alpha Quark tokens for BEP20-based Alpha Quark tokens. Alpha Quark tokens on the BNB Chain (formerly Binance Smart Chain) can be transferred or used on Alpha Quark's platform with lower network fees.
- (July 23, 2021) 3D Game Event in Crypto Voxels - Alpha Quark regularly hosts art exhibition events in a crypto voxels space known as Alpha Quark World, providing engaging experiences. During these events, users can interact with and experience artistic NFTs.
- (July 14, 2021) Artist Support Program - As early adopters of NFTs, Alpha Quark supports artists in entering the NFT market through education and resource provision.
- (September 8, 2021) 3D Metaverse Art Gallery - Alpha Quark believes it is beneficial to provide a 3D metaverse art gallery where participating artists and users in the NFT marketplace can appreciate artistic NFTs.
- (October 14, 2021) Governance Voting Space - By verifying the ownership of Alpha Quark tokens in a user's wallet, users can participate in the decision-making process. AQT holders can vote on community requests when there are important issues to be decided by the community.
- (December 1, 2021) Stray Friends NFT Launch - Stray Friends NFT is the first PFP NFT project by Alpha Quark, created in collaboration with a series of artists to promote the growth of NFTs and introduce real use cases for NFTs by allowing interaction with users. To accelerate the Stray Friends NFT ecosystem, Alpha Quark partnered with global NFT launchpad platforms such as NFTb, Liquidify, and Wizard Finance. Stray Friends NFTs can be obtained through Alpha Quark's NFT marketplace and NFT collateral lending protocol. Owners can trade NFTs or use them as collateral to borrow from other users through the P2P NFT collateral lending protocol.
- (April 4, 2022) P2P NFT Collateral Lending Protocol - Alpha Quark's NFT collateral lending protocol is a simple P2P marketplace that enables transactions between lenders who provide assets for loans and borrowers who offer loans to earn interest. Users can borrow without selling their NFTs, and those looking to generate additional income can expect loan proceeds while lending their funds.

## 2. Alpha Quark since 2020

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### 2-1. What we have done

- (May 20, 2022) Bnb project listing - Alpha Quark's profile has been registered and is being displayed on Binance's [BNB project dashboard](#) to promote Alpha Quark's products.
- (June 17, 2022) Participation in Binance MVB (Most Valuable Builder) V Program - Alpha Quark has supported the accelerating program initiated by Binance.
- (July 18, 2022) NFTs issued on the Klaytn network can be used as collateral for the lending protocol. Alpha Quark's NFT collateral lending protocol supports Multichain.
- (September 22, 2022) Partnership with MG.Land & AMA events
- (December 16, 2022) Participation in Binance MVB VI program
- (December 21, 2022) The release of Alpha Quark Whitepaper Version 4.0
- (January 9, 2023) Participation in DoraHacks BNB Grant DAO R2 (Hackathons)
- (March 9, 2023) Listing of Alpha Quark project profile on the Alchemy Dapp store
- (September 11, 2023) Redesign of the Alpha Quark website
- (September 22, 2023) Listing of Alpha Quark project profile on [Dapp Radar](#)
- (October 16, 2023) Listing of Alpha Quark project profile on [DappBay](#) (BNB Chain)
- (November 27, 2023) Participation in Binance MVB VII program
- (March, 8, 2024) Participation in Binance Futures NEXT
- (April 19, 2024) Listing of Alpha Quark Token on Bitget
- (April 18, 2024) The launch of Generative AI model based NFT protocol
- (On-going) Community (Telegram(KOR), Telegram(ENG), Twitter) - The Alpha Quark project is expanding its global community to accelerate the growth of the ecosystem, which is one of the most critical elements.

## 2. Alpha Quark since 2020

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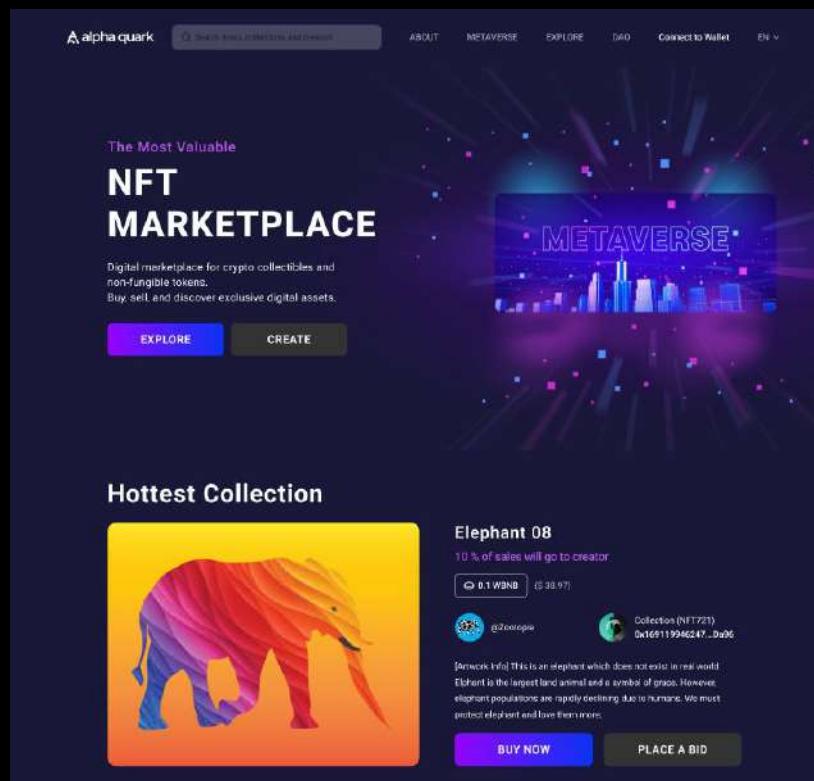
### 2-2. Ecosystem

We would like to delve deeper into the various ecosystems of Alpha Quark. Alpha Quark Token (AQT) is a utility token crafted to offer a myriad of benefits within the Alpha Quark ecosystem, as seen in press releases and news reports.

#### 2-2-1. NFT marketplace platform

Alpha Quark's NFT marketplace provides a service where artists can easily upload image and video files and mint them as NFTs themselves. Furthermore, they can list the minted NFTs on the marketplace to engage in transactions with users worldwide.

Alpha Quark's NFT marketplace operates on the Binance Chain, allowing users to buy and sell NFTs using BNB and BUSD. Additionally, for ecosystem expansion, Alpha Quark Token (AQT) can be used to purchase and sell NFTs. As more members utilize the NFT marketplace and engage in NFT transactions using AQT, the growth of Alpha Quark's ecosystem is expected to be facilitated.



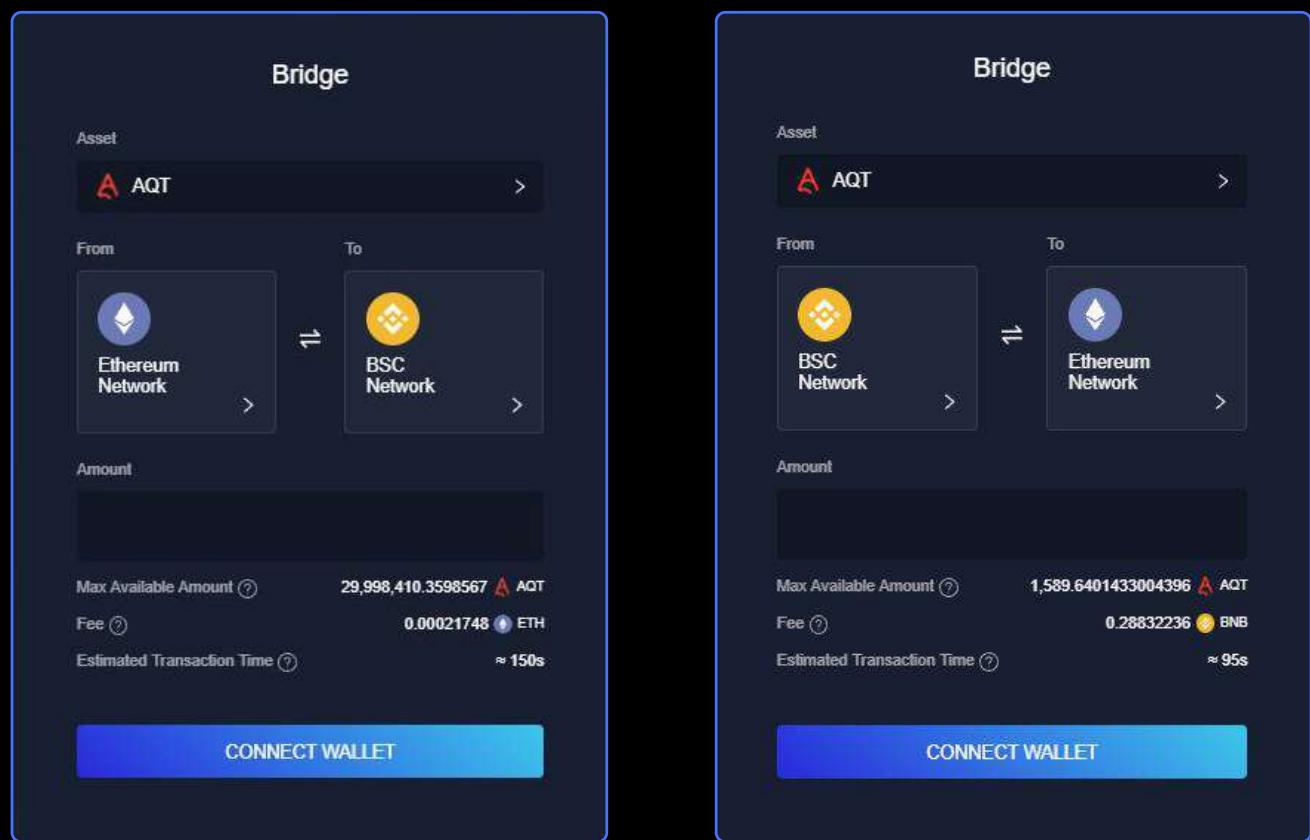
## 2. Alpha Quark since 2020

### 2-2-2. Bridge for BEP20 Token swap

Alpha Quark Token was initially issued as an ERC-20 on the Ethereum mainnet. However, due to the high fees on the Ethereum network, transactions continue to face significant challenges. Even after the transition to PoS (Proof of Stake) through EIP-1559 or The Merge, transaction fees have not seen significant reductions, making it challenging to transact with lower fees.

Alpha Quark provides a bridge service between the Ethereum mainnet and Binance Chain, allowing members to benefit from Binance Chain's low fees and fast transaction confirmations. Through this bridge service, AQT holders can easily navigate between Ethereum and Binance Chain.

By swapping from ERC20 to BEP20-based AQT, users can enjoy lower fees when utilizing Alpha Quark's products on the Binance Chain platform.



## 2. Alpha Quark since 2020

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### 2-2-3. Multi-Chain for P2P NFT collateral lending protocol

We believe that innovation in the NFT market is far from over. NFTs will continue to evolve as a means of verifying ownership and proving digital scarcity. While there have been numerous meaningless NFT projects, the direction of development will recognize the value of NFTs that can be distinguished from repetitive and meaningless projects that are repeatedly sold.

However, the cryptocurrency industry will continue to explore various ways to leverage NFTs and their value. This is why Alpha Quark has launched the P2P NFT collateral lending protocol. If one believes that NFTs hold value, they can become economically valuable assets. Sometimes, NFT owners may not want to sell their NFTs. Just as cryptocurrency investors can borrow cryptocurrency through DeFi lending protocols without selling their holdings, NFT owners can employ a similar strategy through NFT lending protocols. As more people recognize the real value of NFTs, they can become useful assets for lending.

Alpha Quark will continue to expand the P2P NFT collateral lending protocol, supporting networks like BNB and Klaytn, and is also considering additional networks such as Solana and Alpha Quark's ecosystem will further expand.



# Whitelisted NFT collections

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**Below is a list of NFT collections that are listed on Alpha Quark's NFT collateral lending protocol.**

- 1.Lifeform Cartoon AVATAR : 0x6f282fc910cd6ecdccc9e0f06e6ea3e5602a24d5
- 2.Lucky Bird : 0x56690c8b56eee078481a5824c3d90e4214907db6
- 3.ESG Panda NFT : 0xdea59b1a1d0072b4a801ab2c46e28df05272cd3a
- 4.CryptoMines Worker : 0x6053b8fc837dc98c54f7692606d632ac5e760488
- 5.Landian Lands : 0xb90785366106e8368b6877bda19f57f0d94251c
- 6.Metamon Island : 0xf24bf668aa087990f1d40ababf841456e771913c
- 7.SquidKingdoms NFT : 0xf6e5def0eb13da96402114d23489075a6bc2a4f0
- 8.Yuliverse NFT : 0x35017d8322dc1fab2156d6799f7144393b6ea605
- 9.ApeMove Sneaker : 0x0f895e307b250d9d2a4b6d448ee0c02764902189
- 10.Era7 NFT : 0x07d971c03553011a48e951a53f48632d37652ba1
- 11.Stylike NFT : 0x3a28c3d7f67f42bf27bc464e2c3bec7d6af978b
- 12.Catgirl NFT : 0xe796f4b5253a4b3edb4bb3f054c03f147122bacd
13. Pancake Squad : 0xa8901b0e25deb55a87524f0cc164e9644020eba
14. Dixel Collection : 0x9f2659b0d2bad4c1d57819df58787cdfd391e3df
15. Polkamon Official Collection : 0x85f0e02cb992aa1f9f47112f815f519ef1a59e2d
16. Stray Friends : 0x3Bb10958ca236d5bcC1Bb28C28f10fD5260f42F8
17. Stepn(BNB) : 0x69d60ad11feb699fe5feeeb16ac691df090bfd50
18. Binance Regular NFT (BRNFT) : 0x1dDB2C0897daF18632662E71fdD2dbDC0eB3a9Ec
19. Featured Community Collection : 0x2d956093d27621ec0c4628b77eaecac6c734da02c
20. Amazy Sneaker : 0xa8330f559e6317813940936a78b0b4597488cb7b
21. MELOS Music Token : 0xa3869a27c8abc87898174710d0a625d9ed76a05
22. MoonPets : 0xe32ae22ec60e21980247b4bdःaa16e9aea265f919
23. Dracoo Master : 0x4db77c2272047f42262153f43cc1adacd5375962
24. Fitr Gym Bags : 0x4dfc7546fce4d6b26edc77c07d10414e27565cc1
25. Liquidity : 0xed840de2c93ba3bfaf3d9aa79bfcdc869b77de09
26. SPACE ID : 0xe3b1d32e43ce8d658368e2cbff95d57ef39be8a6
27. Frontera : 0xa9e9a78ff1027dc0dd1ee54d7f134f191541fe07
28. Galaxy OAT : 0xadc466855ebe8d1402c5f7e6706fccc3aedb44a0
29. Playbux : 0xc2a19349d5f451071c3085b90f531d19f190ff21
30. Wizzard Battle Pass : 0xdFe151ed2780f33e3239a4C4616CE3ce88e379D2

# Whitelisted NFT collections

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**Below is a list of NFT collections that are listed on Alpha Quark's NFT collateral lending protocol.**

31. Melody Genesis Microphone : 0x4b5c4b2be2fe1656f8efedd27393c61a7357b6e7
32. MetaSportsNFT : 0x7b941eacf12a13bc1a809959f96655473410d2c3
33. Cyber Player : 0x424c8423e3fbb519b1a51c73af4a5f47c31092c6
34. Cyber Badge : 0x60c61a3bb46d17ccce4281a3dc61c77f9607235c
35. Nibblers : 0x6a0241b77921e244ee60aca7e337f28380851878
36. GUARDIANS OF AMAUROT : 0xc9a71c52ae85117fa51c67c3c9f71ac8bc50e2eb
37. TUD NFT : 0xc846b9648a9681a3ecf8213e457e6d8c215c4ea3
38. Super Ape : 0x13eb93a6709fbed5073c89f3df7ad03b4560ae86
39. Super Tiger : 0x2e46bee4150679149a1bdb780a5aa12b72e95a9f
40. Him Genesis NFT : 0x5f4D028b579e6DBC167771fC9D6c440204C3cA36

The screenshot shows the Alpha Quark web application interface. At the top, there is a navigation bar with links for 'Lend', 'Borrow', 'Stats', and 'Account'. On the right side of the header, there are icons for notifications, a wallet balance (0), and a search function. Below the header, a purple banner reads 'Offer loans to other users on their non-fungible tokens.' The main content area has three tabs: 'Collateral' (which is selected and highlighted in blue), 'Loans', and 'Offers'. On the left, there is a sidebar titled 'Project' with a search bar and a list of projects: Pancake squad, Polkamon Official Collection, Stepn, Binance Regular NFT (BRNFT), and Featured Community Collection. The main search results area shows four NFT items in a grid:

Image	Name	Description
	Binance Regular NFT Crypto Bulldog #262 #100301094067	
	Binance Regular NFT Weird Bored Ape #5531 (1/1) #100300835319	
	Binance Regular NFT ★ UN BORED APE LION PUNKS ★ #100300913805	
	Binance Regular NFT ★ 2Bitster 24.0 ★ #100300959312	

# Whitelisting criteria

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Whitelisting is the process of approving specific NFT collections for use as collateral on the Alpha Quark platform. Users can only list and borrow against collections which have been explicitly whitelisted.

The Alpha Quark team aims to approve 3–5 new projects every two weeks, based on a few quantitative (e.g. floor price and liquidity) and qualitative (e.g. community dynamics) criteria.

The current criteria include:

- Floor price greater than 0.1 BNB
- Trading volume greater than 10 BNB
- Implement ERC721 standard

Users can suggest new NFT collections for whitelisting using [this Form](#).



# NFT Whitelisting

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Alpha Quark's P2P NFT collateral lending protocol does not allow all NFTs to be used as collateral. This is because many NFT projects may disappear or lose economic value within a short period. Therefore, Alpha Quark conducts Whitelisting for NFT collections by monitoring their consistent popularity and project progress.

Alpha Quark holders can verify their Alpha Quark holdings and recommend the Whitelisting of NFT collections to Alpha Quark. While Alpha Quark primarily conducts whitelisting for NFT collections that have been validated in the market, Alpha Quark pays closer attention to the suggestions made by Alpha Quark holders, listens to their opinions, and may proceed with the Whitelisting of NFT collections they propose.

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## 2. Alpha Quark since 2020

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### 2-2-4. Metaverse 3D Art gallery & Game

Alpha Quark provides a 3D metaverse art gallery to offer artists more opportunities to showcase and expose their NFT items in eye-catching ways. We understand that art collectors and users are interested in experiencing the fascinating digital-based metaverse world. Therefore, we enable artists to apply to exhibit their NFT items.

However, as demand for this service increases, Alpha Quark will selectively determine the works to be displayed in the gallery. Artists holding Alpha Quark tokens will have priority access to this exhibition service. With more users participating in the platform and art gallery, the importance of Alpha Quark tokens will continue to grow for applying to these exhibitions.

Furthermore, Alpha Quark will go beyond just galleries and support various activities for communication and interaction among Alpha Quark holders in Metaverse-based games. For instance, Alpha Quark has established an exclusive gallery space in Crypto Voxel, providing a platform for Alpha Quark holders to engage in irregular events and activities. In this space, artists and NFT holders can interact together. Given the range of activities available in Crypto Voxel, individuals can derive enjoyment beyond simple gallery viewing.



## 2. Alpha Quark since 2020

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### 2-2-5. AI-NFT model

Historically, expressing human creativity was an opportunity available only to a select few artists. If traditional NFTs were primarily based on simple artworks, this meant that only a limited number of artists familiar with the blockchain space could participate in the blockchain market. This exclusivity restricted the diversity and scope of creative contributions that could be explored within this emerging digital landscape.

In essence, only those who possessed both a foundation in human creativity and an understanding of blockchain technology were able to mint and produce NFTs. This requirement significantly narrowed the field, limiting the creation of NFTs to individuals who were adept in both artistic expression and the technical aspects of blockchain operations.

Alpha Quark has harnessed Generative AI models to enable more people to produce content for minting NFTs and to visualize their unique ideas. The Alpha Quark AI-NFT model facilitates the creation and minting of images envisioned by users through Generative AI technology. In this process, Alpha Quark has included utilities to provide greater opportunities and incentives for Alpha Quark holders, thereby democratizing the ability to generate and participate in the NFT landscape. This approach not only broadens the scope of who can engage with NFTs but also enhances the creative possibilities within this digital domain.

 alpha quark    [About](#) | [NFT-lending](#) | [Marketplace](#) | [Metaverse](#) | [NFT-AI](#)    [Connect](#)

**GET READY FOR THE IMMINENT  
MASS ADOPTION OF  
ARTIFICIAL INTELLIGENCE... |**

AI technology will serve as a catalyst for innovation by converging various technological fields such as blockchain, energy storage, robotics, and multiomic sequencing....

Maximize the AI technology to expand the value of your Non-fungible token and add more value... Alpha Quark allows you to mint NFTs using the latest version of image generative AI model.

 Generate

## 2. Alpha Quark since 2020

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### 2-2-5. AI-NFT model

- Users holding 50 Alpha Quark Tokens have the privilege of accessing the most advanced Generative AI models available.
- Additionally, those with 50 AQTs are not only able to engage with the standard Alpha Quark AI-NFT collection but can also create their own unique collections.
- Users without AQT holdings can still utilize the AI model to mint NFTs, though they are restricted to using the Alpha Quark AI-NFT collection.

Furthermore, Alpha Quark is committed to continuously enhancing the utility of AQTs, providing additional incentives for its holders, thereby enriching their experience and engagement within the ecosystem. This strategic approach aims to foster a more inclusive and expansive community around its offerings.

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## 2. Alpha Quark since 2020

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### 2-2-6. Community boost by SBT (Soul Bound Token)

To promote the growth of the Alpha Quark community and ecosystem, we will be issuing SBT (Soul Bound Token) for Alpha Proton holders. The concept of the Soul Bound Token was first proposed by Vitalik Buterin, the founder of the Ethereum blockchain. It is a non-transferable token used for the identification of token holders.

So, what is Alpha Proton? "Proton" is a term from physics. Protons are stable subatomic particles with a mass slightly smaller than neutrons and approximately 1,836 times the mass of an electron.

We have named our supporters and holders of the Alpha Quark token as Alpha Protons to make them feel more connected. To become an Alpha Proton, users need to hold the non-transferable Soul Bound Token in their wallets. By holding the Soul Bound Token, Alpha Quark will grant exclusive access to Alpha Protons. Alpha Protons are respected supporters of the Alpha Quark project, and we will actively embrace their ideas, thoughts, insights, and advice.

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### 3. Partners & Affiliates

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#### 3-1. Exchange partners

Alpha Quark, a global blockchain project, is making efforts to expand its ecosystem by listing the Alpha Quark token on top-tier as well as global exchanges. Below is a list of exchanges where the Alpha Quark token has been listed. Some exchanges have been discussed with the Alpha Quark team regarding the listing, while others have not. The list is in chronological order, starting from the earliest to the most recent listings.

- (October 20, 2020) Gopax - <https://www.gopax.co.kr/exchange/aqt-krw>
- (November 5, 2020) Upbit BTC - <https://upbit.com/exchange?code=CRIX.UPBIT.BTC-AQT>
- (November 17, 2020) Upbit KRW - <https://upbit.com/exchange?code=CRIX.UPBIT.KRW-AQT>
- (February 26, 2021) Gate.io - [https://www.gate.io/trade/AQT\\_USDT](https://www.gate.io/trade/AQT_USDT)
- (March 2, 2021) Bithumb BTC - [https://www.bithumb.com/trade/order/AQT\\_BTC](https://www.bithumb.com/trade/order/AQT_BTC)
- (May 21, 2021) Bithumb KRW - [https://www.bithumb.com/trade/order/AQT\\_KRW](https://www.bithumb.com/trade/order/AQT_KRW)
- (June 4, 2021) Hotbit - [https://www.hotbit.io/exchange?symbol=AQT\\_USDT](https://www.hotbit.io/exchange?symbol=AQT_USDT)
- (June 17, 2021) BitCratic - <https://www.bitcratic.com/#!/trade/AQT-ETH>
- (February 10, 2022) MEXC - [https://www.mexc.com/exchange/AQT\\_USDT](https://www.mexc.com/exchange/AQT_USDT)
- (May 26, 2022) Huobi Global - [https://www.huobi.com/en-us/exchange/aqt\\_usdt](https://www.huobi.com/en-us/exchange/aqt_usdt)
- (May 27, 2022) ZT global - [https://www.ztb.im/exchange?coin=AQT\\_USDT](https://www.ztb.im/exchange?coin=AQT_USDT)
- (May 27, 2022) CoinBetter - [https://www.coinbetter.com/exchange?coin=AQT\\_USDT](https://www.coinbetter.com/exchange?coin=AQT_USDT)
- (June 3, 2022) SuperEX - [https://www.superex.com/trade/AQT\\_USDT](https://www.superex.com/trade/AQT_USDT)
- (June 29, 2022) BitKan - <https://bitkan.com/trade/AQT-USDT>
- (July 29, 2022) BingX - <https://bingx.com/en-us/spot/AQTUSDT/>
- (August 1, 2022) BitYard - <https://www.bityard.com/en-US/trade/spot/AQTUSDT>
- (April 19, 2024) Bitget - <https://www.bitget.com/en-GB/spot/AQTUSDT>

\*Please be aware that the list of exchanges above is subject to change, including possible service termination by the exchanges, depending on the circumstances. Alpha Quark Project does not take responsibility for any risks that may arise from using these exchanges.

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### **3. Partners & Affiliates**

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#### **3-2. Ecosystem partners & Affiliates**

- (December 4, 2020) Pay Coin - <http://www.danalfintech.com/>
  - (June 4, 2021) Poly Network - <https://poly.network>
  - (June 8, 2021) Adapter - <https://adappter.io/>
  - (June 22, 2021) Math wallet - <https://mathwallet.org/>
  - (June 30, 2021) Treasureland - <https://treasureland.market/>
  - (July 2, 2021) Sota Finance - <https://sota.finance/>
  - (August 18, 2021) Liquidify - <https://liquidify.io/>
  - (September 2, 2021) Fangible - <https://fangible.com/>
  - (November 26, 2021) Wizard Finance - <https://www.wizard.financial/>
  - (December 1, 2021) NFTb - <https://nftb.io/>
  - (December 6, 2021) XPansion - <https://xpsgame.io/>
  - (December 28, 2021) APM Coin - <https://apm-coin.com/>
  - (January 27, 2022) Cloud NFT - <https://cloudnft.io/>
  - (February 11, 2022) Trezor - <https://trezor.com/>
  - (February 14, 2022) Bitgo - <https://bitgo.com/>
  - (March 3, 2022) SWFT blockchain - <https://swft.pro/>
  - (March 7, 2022) Ledger - <https://ledger.io/>
  - (March 16, 2022) Frutti Dino - <https://fruttidino.com/>
  - (March 22, 2022) Ellipal - <https://ellipal.com/>
  - (April 19, 2022) Dappy - <https://dappsy.io/>
  - (May 3, 2022) ONTO wallet - <https://onto.app/>
  - (May 6, 2022) BEOSIN - <https://beosin.com/>
  - (May 11, 2022) Ivy market - <https://ivymarket.io/>
  - (August 9, 2022) Atomic wallet - <https://atomicwallet.io/>
  - (September 7, 2022) ChangeNow - <https://changenow.io/>
  - (October 11, 2022) Coinbase wallet - <https://wallet.coinbase.com/>
  - (October 12, 2022) MG Land - <https://mg.land>
  - (October 13, 2022) MintDAO - <https://mintdao.io/>
- (November 16, 2022) Mo wallet - <https://mowallet.app/>

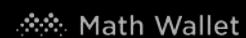
### 3. Partners & Affiliates

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#### Exchange Partners



#### Ecosystem partners & Affiliates



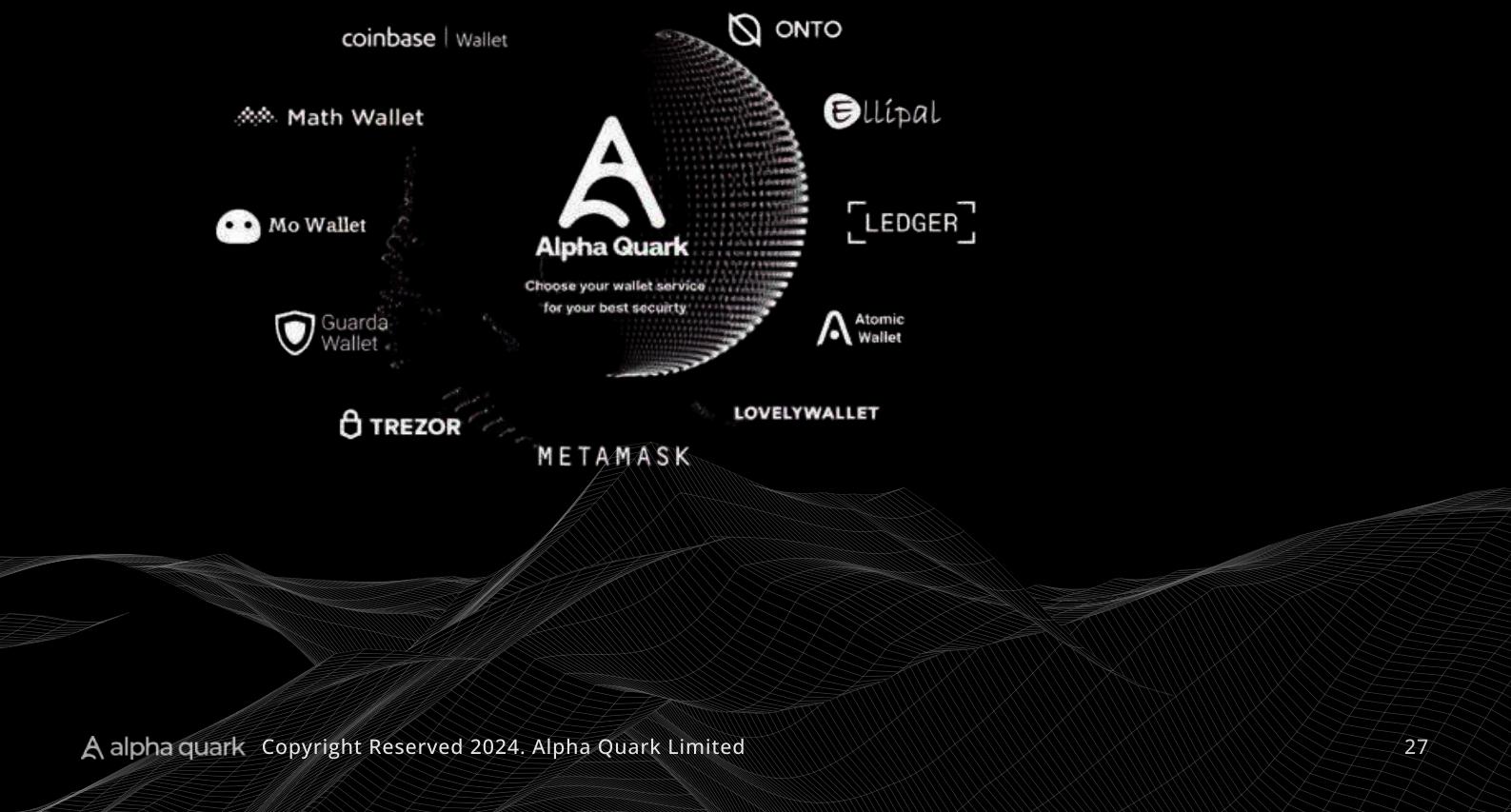
### 3. Partners & Affiliates

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#### 3-3. Wallet services

For Alpha Quark Token (AQT) Holders, secure and reliable wallet services are of utmost importance, and they can be considered a crucial part of the Alpha Quark ecosystem. Alpha Quark has established partnerships with various wallet services to ensure the secure management of tokens, offering a range of options such as cold wallets and soft wallets for the safe storage of Alpha Quark Tokens. Below is a list of services that support the storage of Alpha Quark Tokens.

1. Coinbase wallet - <https://www.coinbase.com/wallet>
2. Ledger - <https://www.ledger.com/>
3. Trezor - <https://trezor.io/>
4. Metamask - <https://metamask.io>
5. Burrito - <https://www.burritowallet.com/en>
6. Math wallet - <https://mathwallet.org/>
7. Mo wallet - <https://www.mowallet.in/>
8. Guarda wallet - <https://guarda.com/>
9. Ellipal - <https://www.ellipal.com/>
10. ONTO - <https://onto.app/>
11. Atomic wallet - <https://atomicwallet.io/>
12. Lovely wallet - <https://wallet.lovely.finance/>
13. Nobox - <https://nabox.io/>



### **3. Partners & Affiliates**

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#### **3-4. Swap services**

Alpha Quark has partnerships with projects that provide easy swap services to build a broad ecosystem.

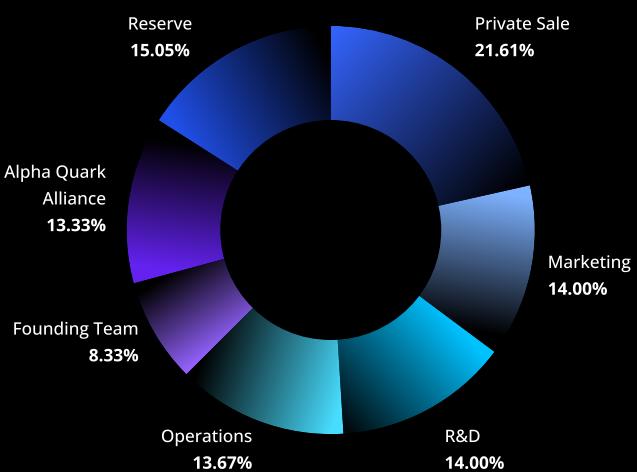
1. Swapbox - <https://swap.nabox.io/swap>
  2. ChangeNow - <https://changenow.io>
  3. SWFT blockchain - <https://www.allchainbridge.com>
-

## 4. Alpha Quark Token

When Alpha Quark Token (AQT) was initially issued on the Ethereum network in September 2020, the initial supply was 30 million tokens. According to the allocation and a strict unlock schedule, AQT is managed on the Ethereum mainnet using the Time-lock feature of smart contracts. To comply with the initial vesting plan, the Alpha Quark team officially announced the schedule to exchanges and the community.

### 4-1. Token allocation

- Total amount : 30,000,000 AQT
- Private sale : 6,483,516 AQT (21.61%)
- Marketing : 4,200,000 AQT (14%)
- R&D : 4,200,000 AQT (14%)
- Operations : 4,100,000 AQT (13.67%)
- Founding team : 2,500,000 AQT (8.33%)
- Alpha Quark alliance : 4,000,000 AQT (13.33%)
- Reserve : 4,516,484 AQT (15.05%)



Category	Market Cap(\$)	# of AQT	% of Total AQT
Private Sale	2,500,000	6,483,516	21.61%
Marketing	-	4,200,000	14.00%
R&D	-	4,200,000	14.00%
Operations	-	4,100,000	13.67%
Founding Team	-	2,500,000	8.33%
Alpha Quark Alliance	-	4,000,000	13.33%
Reserve	-	4,516,484	15.05%
<b>Total</b>	-	<b>30,000,000</b>	<b>100.00%</b>

## 4. Alpha Quark Token

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### 4-2. Circulating amount

- (2020-09-30) 1,926,703 AQT
  - (2020-10-31) 1,926,703 AQT
  - (2020.11.30) 1,926,703 AQT
  - (2020.12.31) 3,404,055 AQT
  - (2021.01.31) 4,883,407 AQT
  - (2021.02.08) 7,411,759 AQT
  - (2021.03.31) 9,940,111 AQT
  - (2021.04.30) 12,468,463 AQT
  - (2021.05.31) 14,996,815 AQT
  - (2021.06.30) 16,475,167 AQT
  - (2021.07.31) 17,953,516 AQT
  - (2021.08.31) 20,276,813 AQT
  - (2021.09.30) 22,890,110 AQT
  - (2021.10.31) 25,093,407 AQT
  - (2021.11.30) 27,296,704 AQT
  - (2021.12.31) 29,500,000 AQT
  - (2022.01.31) 30,000,000 AQT
- 
- \*To check the distribution schedule, please refer [here](#). This is the distribution volume plan publicly available on Upbit exchange.
  - \*\*You can find real-time information on the circulating amount disclosed by the Alpha Quark project [here](#).

## 4. Alpha Quark Token

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### 4-3. Other Alpha Quark Token informations

- [Coinmarketcap](#)
  - [Coingecko](#)
  - [Etherscan](#)
  - [Smart contract audit](#)
  - [Github](#)
  - [NFT collateral lending protocol audit](#)
  - [Xangle profile](#)
  - [Bnb project profile](#)
  - [Dapp radar profile](#)
  - [Dapp Bay profile\(BNB chain\)](#)
  - [Alchemy profile](#)
  - [Medium](#)
  - [Link tree](#)
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## 5. Disclaimer

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1. This whitepaper is not written to promote the sale of Alpha Quark Token (AQT) for potential investors. The purpose of this whitepaper is to provide general information and is not intended to be exhaustive, thorough, or authoritative.
2. Alpha Quark Limited or any related corporations and/or affiliated entities assume no responsibility in relation to this whitepaper or any reliance upon it, and do not guarantee the accuracy or completeness of this whitepaper. This whitepaper is subject to change without prior notice.
3. Alpha Quark's products refer to the overall project operated by the core team and Alpha Quark Token is the name of the ERC20 utility token issued by the core team. The core team specifically refers to the key team members of Alpha Quark Limited. There are also relatively fungible tokens based on ERC721 directly controlled by Alpha Quark's platform smart contracts, and the core team does not have ownership or control over operations or modifications after the contract is deployed on the Ethereum mainnet or BNB chain. For a more detailed understanding of how smart contracts operate, please refer to the document authored by Ethereum.org.
4. The core team and Alpha Quark Limited disclaim any responsibility for any direct or indirect loss or damage arising from the following possible situations or events:
  - 4-1. The development or deployment of products and services by Alpha Quark Limited or any affiliated entities or corporate partners may fail, be abandoned, or delayed for various reasons, including but not limited to insufficient funding, lack of commercial success or prospects, lack of adoption by advertisers, publishers, and/or users, among others.
  - 4-2. Alpha Quark Limited or any affiliated entities or corporate partners may lose access to their private keys or may be exposed to data breaches or data loss. Alpha Quark Limited or any affiliated entities or corporate partners intend to implement reasonable security measures but cannot predict the success of any security measures.

## 5. Disclaimer

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4-3. A third party who gains access to the private keys associated with a wallet may have access to that wallet. The loss or destruction of these private keys may be irreversible. The Alpha Quark team does not assume responsibility for any losses or damages resulting from the loss of an individual's private keys.

4-4. The value of cryptocurrencies such as BTC, ETH, KLAY, BNB, TRON, AQT, and others may significantly decrease, potentially resulting in Alpha Quark Limited or its related entities and affiliates losing the resources to continue operations.

4-5. Cryptocurrencies are subject to regulatory scrutiny by authorities and regulatory agencies worldwide, and Alpha Quark Limited or its affiliated entities may be adversely affected by one or more investigations or actions.

4-6. The project may unexpectedly alter its roadmap to effectively adapt to the rapidly changing trends in the cryptocurrency market, and AQT purchasers may not be satisfied with the product's form and functionality, as expectations regarding Alpha Quark's design and implementation plans may not be met due to changes or delays in the execution phase or other reasons outlined in the whitepaper or elsewhere.

4-7. Blockchain technology is still relatively in its early stages and has not been fully validated. Interruptions, defects, disruptions, or obsolescence within blockchain networks such as Ethereum, Klaytn, BNB Chain, Polygon, and Solana, with which Alpha Quark products and the core team's tools interact, could have significant negative impacts on AQT and Alpha Quark products. These potential issues highlight the inherent risks associated with deploying new technologies and emphasize the need for continuous improvement and robust risk management strategies in the blockchain ecosystem.

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## 5. Disclaimer

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4-11. This whitepaper was originally written in English, and translated versions may contain inaccuracies or errors. The English version of the whitepaper takes precedence over any translations. For clear and precise explanations, please refer to the English version of the whitepaper.

4-12. There are no cancellations or refunds for AQT and related NFT purchases once they are completed through the core team or third-party marketplaces.

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## 6. Contact

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- Email / business suggestion : [contact@alphaquark.io](mailto:contact@alphaquark.io)
  - Website : <https://alphaquark.io>
  - Twitter : [https://twitter.com/alphaquark\\_](https://twitter.com/alphaquark_)
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