WEEKLY PERFORMANCE REPORT

Created by drMurlly

CREATED
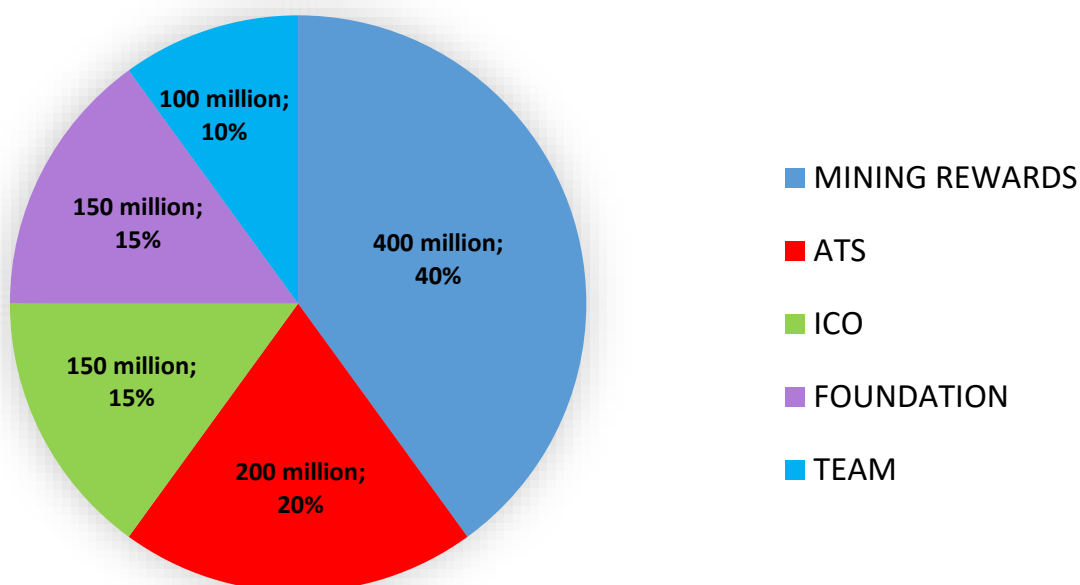**8.07.2024**
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WEEK 27

The Matrix AI Network is a decentralized platform that combines artificial intelligence with blockchain technology. Overall, Matrix AI Network aims to democratize AI technology, making it accessible to a wider audience and fostering innovation in various industries.

All metrics and data presented in this report are sourced directly from the Matrix AI Network blockchain and were last updated as of today.

Matrix AI Network Tokenomics

- MINING REWARDS
- ATS
- ICO
- FOUNDATION
- TEAM

Pie chart values: 400 million; 40% (Mining Rewards), 200 million; 20% (ATS), 150 million; 15% (ICO), 150 million; 15% (Foundation), 100 million; 10% (Team)

Explained

MINING REWARDS: It will be used as a reward for miners who contribute to the Proof of Work consensus.

ADDITIONAL TOKEN SALES (ATS): It is reserved for one or more subsequent offerings to the public at a later date(s).

INICIAL COIN OFFERING (ICO): Sold during the 2018 campaign.

FOUNDATION: To be retained and allocated by the Foundation. As a managment and sales incentives, grants and scholarships to support R&D, administration, marketing and community construction activities of the MATRIX blockchain.

TEAM: Retained by the Foundations for founders, directors, advisiors, early backers, managment and comunity anitiatives.

Circulating Supply	Total Supply	Max Supply	Market Cap
446,585,011	746,585,038	1,000,000,000	$11,684,975

Circulating Supply
The amount of $MAN coins that are circulating in the market and are tradeable by the public.

Total Supply
The amount of $MAN coins that have already been created, minus any coins that have been burned or destroyed (removed from circulation).

Max Supply
The maximum number of $MAN coins coded to exist in the lifetime.

Market Cap
Refers to the total market value of a $MAN cryptocurrency's circulating supply.
Market Cap = Current Price x Circulating Supply

Data provided by CoinGecko

CoinGecko

Halving Update

Progress	5.47%
Current Block	12,164,084
Next Halving Block	15,000,000
Last Halving Block	12,000,000
Blocks Remaining	2,835,916
Estimated Time Remaining	465 days
Estimate Date	okt/2025

Next $MAN Halving   5.47%

There is a 15% reduction in rewards for every 3 millionth block generated.

The last halving took place at 12.000.000 block on 11.6.2023.
Like with Bitcoin and other cryptocurrencies featuring PoW mining, $MAN output is designed to gradually decrease in order to bring up production cost and the value of $MAN. Compared with Bitcoin, Matrix has adopted a smoother reduction curve and a rising price model for $MAN.

Tracking Top 15 Accounts

Tracking top accounts is essential for understanding the power dynamics and significant players within the Matrix AI Network blockchain, aiding in strategic decision-making and risk management.
We acknowledge that the ownership of these accounts cannot be determined with 100% certainty. The subsequent page contains our informed assumptions regarding their ownership based on analysing transaction patterns and available data.

Date	2/7	4/7	6/7	8/7	7d Trend	
Mining Rewards Account			MAN.2nRsUetjWAaYUizRkgBxGETimfUTz			▼
Balance	251,731,623	251,620,586	251,501,093	251,426,535		-0.1%
Staking Account			MAN.1111111111111111111B8			▼
Balance	225,190,919	224,850,963	224,744,339	223,161,414		-0.9%
KuCoin Account 1			MAN.2G3ySngcJp2cxihDFhxLfTmgVxgH3			▬
Balance	209,585,986	209,585,986	209,585,986	209,585,986		0.0%
KuCoin Account 2			MAN.22YppXzZC31Rax6TwhceMp4KasGKk			▲
Balance	6,969,501	8,172,371	9,077,671	10,496,670		50.6%
MEXC Account 1			MAN.3yzY8sHiDUx2QBThVCbtzWwKEEmm7			▼
Balance	62,601,382	62,695,991	62,529,936	62,486,672		-0.2%
Gate.io Account			MAN.BXYjjbRgdWSuJCSJX5fNgfaHAYde			▲
Balance	46,516,723	46,523,127	46,527,693	46,532,306		0.0%
Foundation Account			MAN.3uUeFkPb1SWfx4vdqQMDztGQLDLcv			▲
Balance	2,690,731	2,699,722	2,709,540	2,715,991		0.9%
Matrix Foundation			MAN.44YFTqspDuzGugW2nJVPzDztKZCbw			▬
Balance	30,000,000	30,000,000	30,000,000	30,000,000		0.0%
Matrix Foundation			MAN.36RAfGQvm1Mc4oeApiXm7Mk5j5bkX			▬
Balance	24,325,378	24,325,378	24,325,378	24,325,378		0.0%
Matrix Foundation			MAN.GExbEUbvH6y9TJD9PitikTkYWZHR			▬
Balance	24,999,999	24,999,999	24,999,999	24,999,999		0.0%

Tracking Top 15 Accounts

Date	2/7	4/7	6/7	8/7	7d Trend	
Unknown Account 8			MAN.2Zf5efcS1GycAj8DsotMCM8TeAVq4			
Balance	0	0	0	0		
Matrix Foundation			MAN.x3rHFeg7xbpKD8bCiYTn47TPVCEn			▬
Balance	54,989	54,989	54,989	54,989		0.0%
Matrix Foundation			MAN.6x67eGBCY9qhBFqhUNCaTAukMtqX			
Balance	0	0	0	0		
Matrix Marketing Wallet			MAN.PEbibUWzTgL1tEFdLmqujf9Xn3S8			▼
Balance	4,028,699	4,028,699	3,028,699	3,028,699		-24.8%
Unknown Account 14			MAN.KNCh9RxNs4VTnkXRcM94J2PKpMj1			▬
Balance	5,001,000	5,001,000	5,001,000	5,001,000		0.0%
Gate.io Could Wallet			MAN.Ps4hTYRLzNW1VM9FSpB93RQbLoui			▬
Balance	4,810,416	4,810,416	4,810,416	4,810,416		0.0%

Mining Rewards Account	represents the $MAN coins reserved for mining through Proof of Work (PoW).
Staking Account	encapsulates all staked $MAN tokens on the network.
Exchange Accounts	the accounts belong to crypto exchanges.
Foundation Account	refer to rewards that the Matrix foundation collects for itself—10% from Rewards for Miners and 10% from Rewards for Validators.
Matrix Foundation	the accounts most likely belong to the Matrix Foundation.
Matrix AI Team Accounts	the accounts most likely belong to the Matrix AI Team. There has yet to be any confirmation from the Matrix AI Team that the funds are under their management.
Unknown Accounts	it needs to be clarified to whom the accounts belong.

Staking (PoS)

MATRIX adopts a unique hybrid PoS + PoW consensus mechanism. This means that both Proof of Stake (PoS) and Proof of Work (PoW) are used in the consensus process. In the PoS component, a smaller network of delegates is selected through a random distributed voting algorithm. The probability of a node being selected as a delegate is proportional to its stake in the network. This means that nodes with more stake have a higher chance of being selected as delegates.

Overall, the hybrid PoS + PoW consensus mechanism used by MATRIX combines the advantages of both approaches. It leverages the security and decentralization of PoW, while also benefiting from the efficiency and scalability of PoS.

Staking Ratio   29.89%

This metric can provide insights into the level of network participation among $MAN holders, as well as the overall health and security of the network.

A staking ratio below 25% might indicate a lack of interest or confidence in the network.

A staking ratio between 25% and 50% suggests a healthy level of participation, with a substantial portion of the $MAN supply being staked. This range often provides a good balance between security, decentralization, and network participation.

A staking ratio between 50% and 70% could indicate strong network engagement, security, and decentralization. A ratio exceeding 70% might raise concerns about centralization, as it could mean a majority of the token supply is controlled by a small number of participants.

The gauge below represents the % of total supply coins that are being staked.
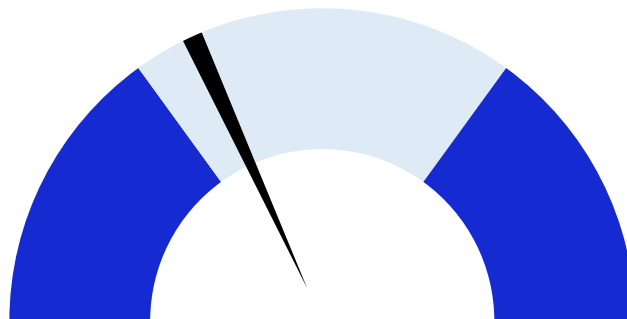
The **223,161,414** $MAN coins are currently being staked to the network.

Staking Type Ratio
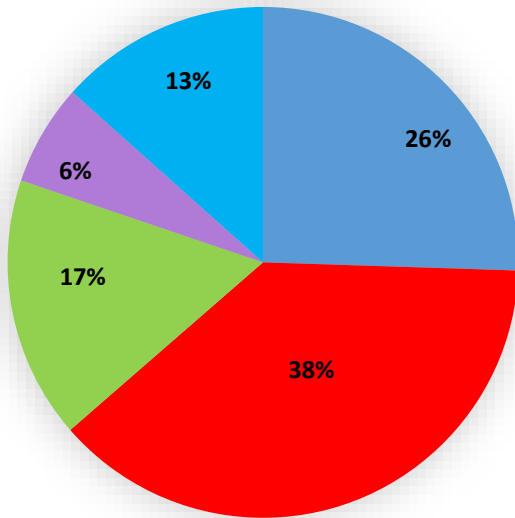
The graph represents all staked $MAN coins and how all the staked coins are split according to staking type.

Flexible 56,925,276	30 days 85,022,630	90 days 37,023,423	180 days 14,295,560	360 days 29,894,525

Net Staking Flow 7 days

Refers to the total balance of $MAN coins entering and leaving staking within 7 days, capturing the soverall movement of tokens being staked and unstacked on the network. It is measured in USD.

Change
-$13,680

Staking Wallets

The total number of unique wallet addresses that are actively staking $MAN coins to the network. This metric can provide insights into the level of network participation and decentralization, as well as the distribution of staking rewards among network participants. Higher numbers of staking wallets may indicate a greater degree of decentralization and network security, as well as a more engaged and active community of token holders.

Previous week	Change	This week
1377	-0.36%	1372

Estimated average return for fixed STAKING methods

The average return for fixed staking methods is calculated using data from 10 active validators on the Matrix AI Network blockchain. Calculations include some of the drMurlly's pools, the pool managed by the Matrix team and some other well-managed pools. Thus, the calculations represent the average estimated long-term return for the fixed staking period. Any estimates or projections should be taken as indicative, not as future rewards guarantees.

Below is an example illustrating the outcome of staking 100.000 $MAN coins across all available fixed staking types within the Matrix AI Network.

Annual Percentage Rate (APR) refers to the annual interest generated by a sum paid to investors, expressed as a percentage representing the actual yearly income earned on an investment. It's worth noting that APR does not consider the management fee deduction or compounding.

Stake Amount   1 MAN~2,000,000 MAN

100000

100,000 MAN

21.23 MAN
Reward Per Day for Fixed 30-days

636.90 MAN
Reward for Fixed 30-days Period

7.64 %
APR for Fixed 30-days

23.21 MAN
Reward Per Day for Fixed 90-days

2,088.90 MAN
Reward for Fixed 90-days Period

8.36 %
APR for Fixed 90-days

25.19 MAN
Reward Per Day for Fixed 180-days

4,534.20 MAN
Reward for Fixed 180-days Period

9.07 %
APR for Fixed 180-days

29.14 MAN
Reward Per Day for Fixed 360-days

10,490.40 MAN
Reward for Fixed 360-days Period

10.49 %
APR for Fixed 360-days

Rewards Ower Time

Below, we provide a detailed example showcasing the rewards accrued over time when staking 100,000 $MAN coins for a period of five years, across all the varied staking types available in the Matrix AI Network.

Non-Compounded

| Flexible | 30 days | 90 days | 180 days | 360 days |
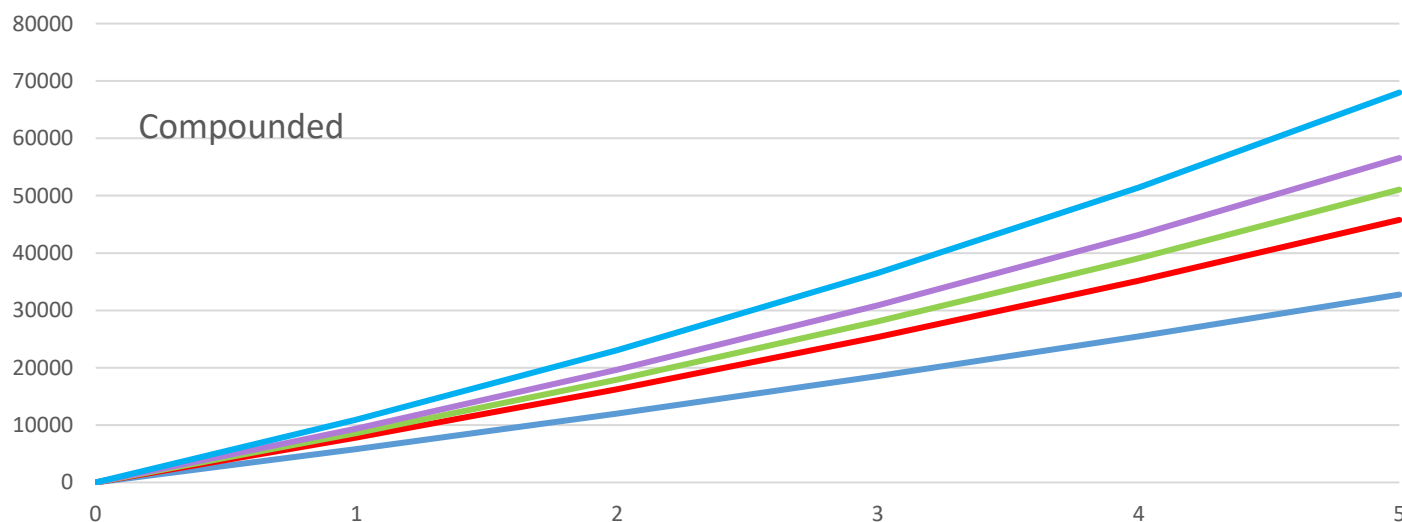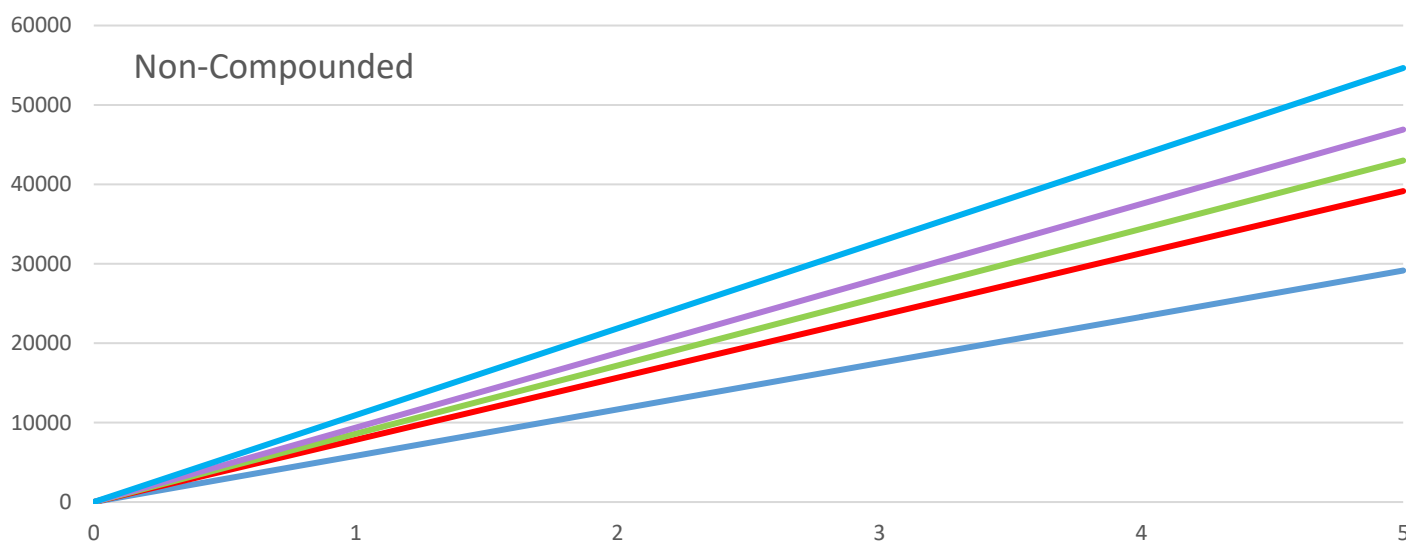
Compounded

Non-Compounded
The non-compounded chart shows the estimated $MAN staking returns for all staking types without restaking accumulated rewards.

Compounded
The compounded chart shows the estimated $MAN staking returns for all staking types, considering constant restaking of accumulated rewards once yearly. Both charts estimate the data for the 5 years.

Staking With drMurlly

Earn Rewards

By staking MAN coins, you will earn rewards in the form of more MAN coins.

Support the network

By staking your MAN coins, you are helping to support the network and validate transactions.

Secure the network

The staking process involves holding MAN coins to support a blockchain's operations and security.

The chart displays the total amount of $MAN coins currently staked in pools operated by drMurlly, with data spanning the last 7 days.
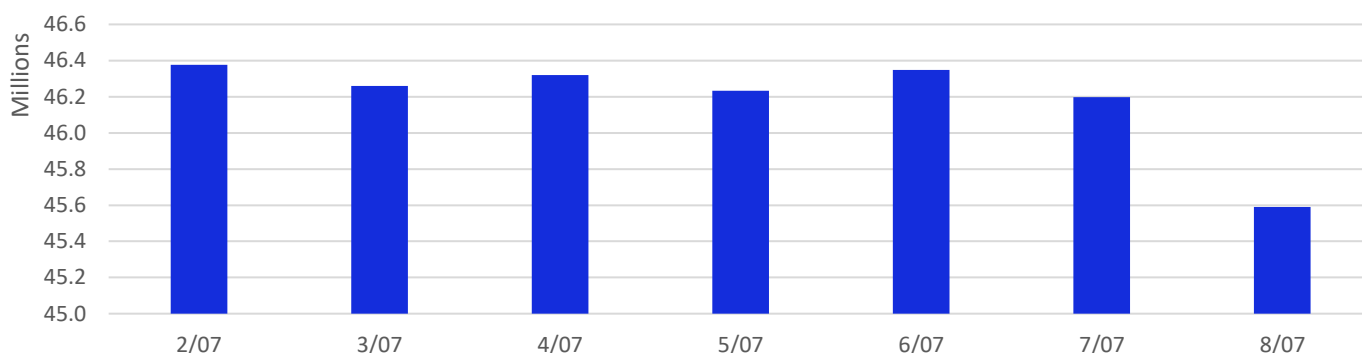
Pools	Pools participants	Net Staking Flow 7 days $	$MAN Unclaimed Reward
8	**360**	**-$21,047**	**435,229**

The data focuses on staking pools under drMurlly's management. 'Pools' indicates the number of pools drMurlly operates. 'Pool Participants' shows the count of unique addresses staking $MAN in these pools. 'Unclaimed Reward' denotes the total $MAN rewards awaiting claim by participants across all drMurlly pools. Longer staking durations result in higher unclaimed $MAN rewards.

Experienced

We have been running miners and validators on the Matrix AI Network since the beginning.

Reliable

We are reliable and trustworthy and are committed to ensuring the security and stability of the network.

Committed

All our MAN collateral coins are locked for 360 days. We are committed to the growth and success of the network.

Rewards Distribution

The provided data and accompanying definitions detail the distribution of $MAN coins, breaking down the allocation per block and on a daily basis.

PER BLOCK

1.6704
8.3521
MAN
4.1761
2.5056

PER DAY

8034
40,171
MAN
20085
12051
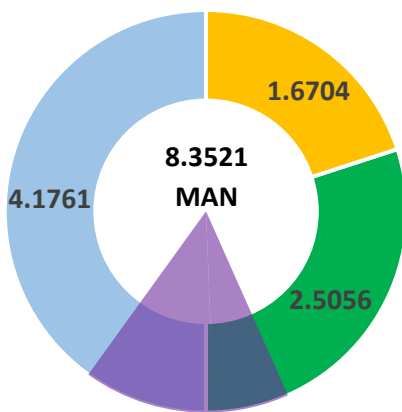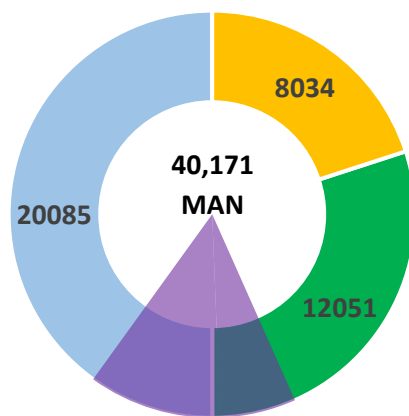
Rewards for Validators 50%
The term refers to rewards for which only elected validators and elected backup validators are eligible, including participation rewards (for validators) and block generation rewards.

Rewards for Miners 30%
The term refers to rewards for which elected miners are eligible, including participation rewards (for miners), PoW rewards and AI computing rewards.

Interest Rewards 20%
The term refers to rewards for which all staked nodes, including candidate miners and candidate validators, are eligible.

Foundation rewards refer to rewards that the Matrix foundation collects for itself—10% from Rewards for Miners and 10% from Rewards for Validators.

Foundation rewards per BLOCK
0.6682 MAN

Foundation rewards per DAY
3214 MAN

Validators Status

Date	2/7	4/7	6/7	8/7	7d Trend		7d Change
All Joint Mining Pools	39	39	39	39		⚑	0.0%
All Validators	94	94	93	90		⚑	-4.3%
Blacklisted Validators	16	16	15	12		⚑	-25.0%

All validators, are entities with the verifier role (128) on the Matrix AI Network blockchain.
Joint Mining Pools refers to validators that have activated Joint Mining, also known as Staking Pools. Blacklisted Validators are those penalized for failing to validate transactions correctly. Being blacklisted results in a 10-cycle suspension from transaction validation.
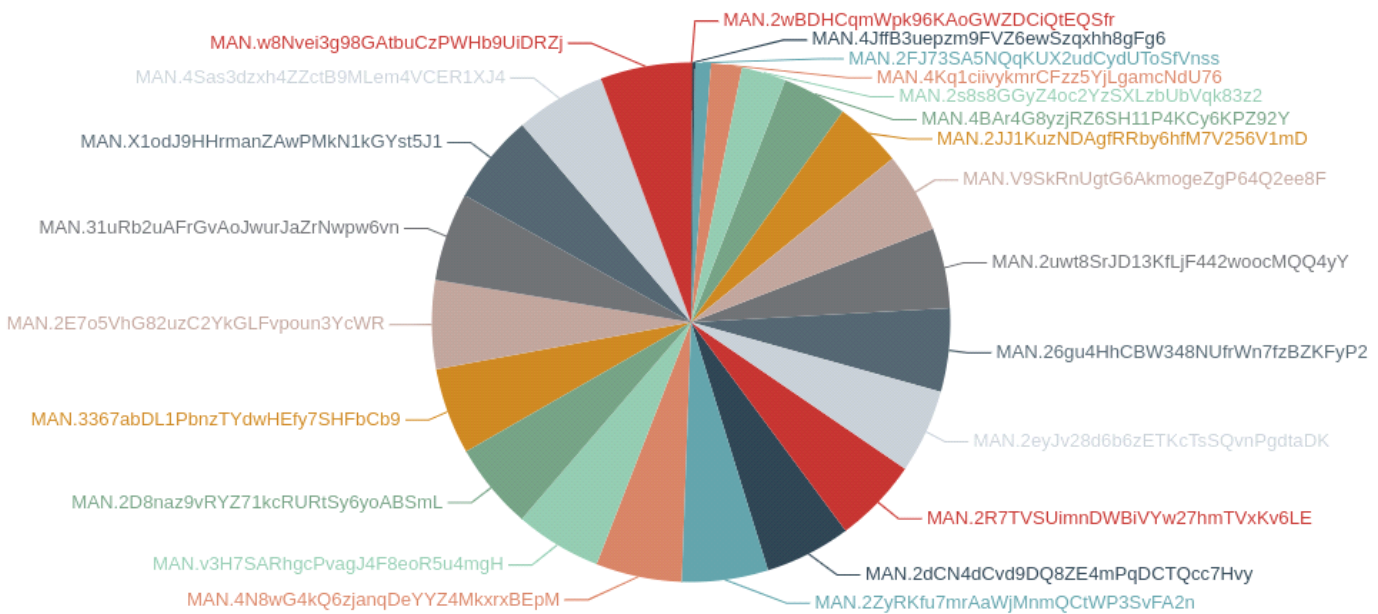
The chart shows the distribution of block production by validators for the last 10.000 blocks, which is roughly equivalent to the past two days.

Mining (PoW)

MATRIX AI Network adopts a unique hybrid PoS (Proof of Stake) + PoW (Proof of Work) consensus mechanism. The PoW is carried out in a smaller network of delegates selected using a random distributed voting algorithm in this mechanism. By combining PoS and PoW, MATRIX aims to achieve a more efficient and secure consensus mechanism. PoS helps to ensure that the nodes with more stake in the network have a higher probability of being selected as delegates. At the same time, PoW provides additional security measures through the computational work performed by the selected nodes. Overall, this hybrid consensus mechanism allows MATRIX to balance scalability, security, and efficiency in its blockchain network.

The miners in Matrix AI Network are elected through a process called random clustering algorithms (RCA). These algorithms categorize nodes based on their characteristics and then select representatives from these categories through true random elections. This ensures fairness in the election process. Only the elected miners participate in PoW mining, while other miners do not participate in every mining cycle. This allows Matrix to export the extra computing power on its platform to clients who need it, similar to a cloud computing platform.

Blacklisted Miners are miners who have been penalized for not properly executing their mining transactions. If a miner is blacklisted, they face a suspension from mining activities for one cycle. The blacklisted miners list is cleared after every Round Robin cycle, leading to quick increases or decreases in the blacklisted 7 day trend chart.

Date	2/7	4/7	6/7	8/7	7d Trend	7d Change
All Miners	1338	1338	1338	1333		-0.4%
Blacklisted Miners	87	144	85	54		-37.9%

There are 400 million MAN tokens reserved in total for mining. The total mining output of MAN tokens will cap at 320 million. The remaining 80 million tokens will be used for rewarding the use of the Matrix Computing Platform

$MAN still awaiting mining   251,426,535

$MAN already been mined   148,573,465

37.14%
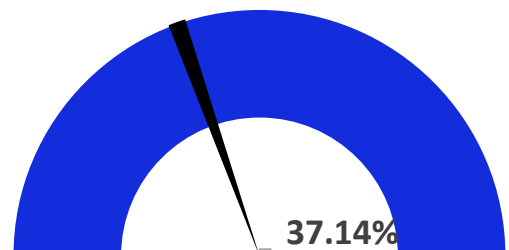
The gauge visually represents the proportion of reserved tokens for mining that have already been mined.

The Inflation Rate is a measure that reflects the annual increase in the total $MAN supply due to the mining of new coins.
It is calculated as (Total Supply / Annual Token Rewards) × 100. This rate helps to understand how much the total $MAN supply grows each year, providing insights into potential impacts on the coin's value and scarcity.

Inflation Rate

1.96%

Mining (PoW)

Estimated average return for MINING   **42.42%**

The mining reward is very dependent on what kind of hardware is used. APR is calculated from data for the last 6 months based on 60 consistently working miners. The used mining CPU is AMD Ryzen 9 7950x, Intel Core I9-13900KS and Intel Core I9-14900K. If the miners are not managed reliably, and not so strong hardware is used, the APR can decrease significantly. **Annual Percentage Rate (APR)** refers to the annual interest generated by a sum paid to miners, expressed as a percentage representing the actual yearly income earned on an investment. It's worth noting that APR considers that miners are created with 10.000 MAN and does not consider compounding.

The summary of the block difficulty levels
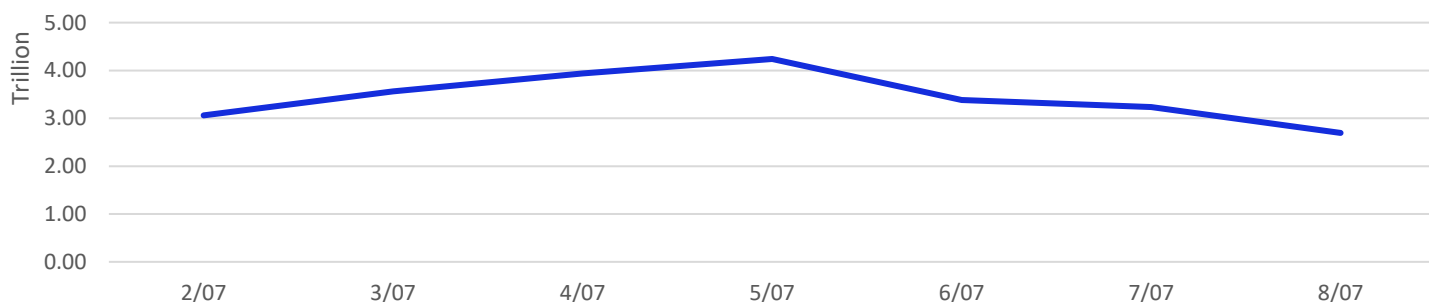
The chart above provides a summary of the block difficulty levels for the most recent 5500 blocks, covering roughly the last day's activity. It displays the trends in difficulty over the past 7 days.
The difficulty is a numeric value without a specific 'unit'. It's a large number that represents the odds of finding the correct hash for the next block.
Total Difficulty is the sum of all the difficulty levels from the starting block up to the current block, showing how challenging mining has been over this period.

The total difficulty of starting block to the current block
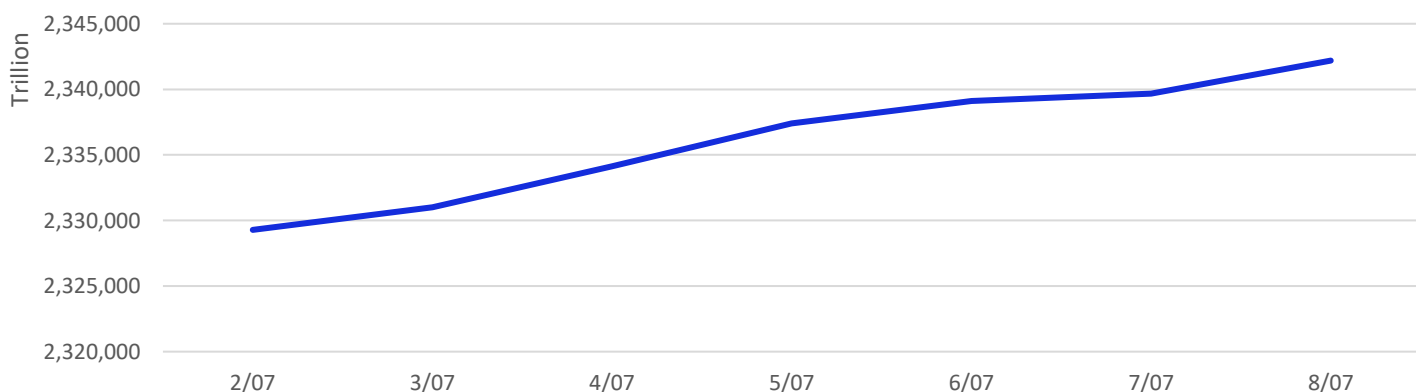
Block Data

	2/7	4/7	6/7	8/7	7d Trend	
Avg. Block Time (sec)	11.99	13.94	11.18	17.96		49.8%
Blocks per Day	7207	6200	7728	4810		-33.3%
Latest Block	12,125,898	12,139,489	12,154,332	12,164,084		0.3%
Block Size (byte size)	81349	81349	81349	82651		1.6%
Gas Price (Mwei)	1.6493	1.6493	1.6493	1.6493		0.0%
Gas Limit (Gwei)	1.0500	1.0500	1.0500	1.0500		0.0%
Destroy Balance (MAN)	100,000	100,000	100,000	100,000		0.0%

Explanation: This section covers various metrics that typically do not change rapidly or might not be as crucial for the average investor. However, if they become more relevant in the future, we will monitor them more closely.

Average Block Time is calculated from the latest 5500 blocks, roughly equivalent to one day's data.
Blocks per Day is determined by the average block time for each day.
Latest Block indicates the current block at the time of data capture each day.
Block Size refers to the byte size of the most recent block.
Gas Price (measured in Mwei) is the current cost of processing transactions.
Gas Limit (measured in Gwei) represents the maximum amount of gas permitted in a block.
Destroy Balance shows the number of MAN tokens used (and consequently burned) to create multiple currencies on the blockchain, as part of a mechanism for introducing new currencies.

Number of Daily Active Addresses
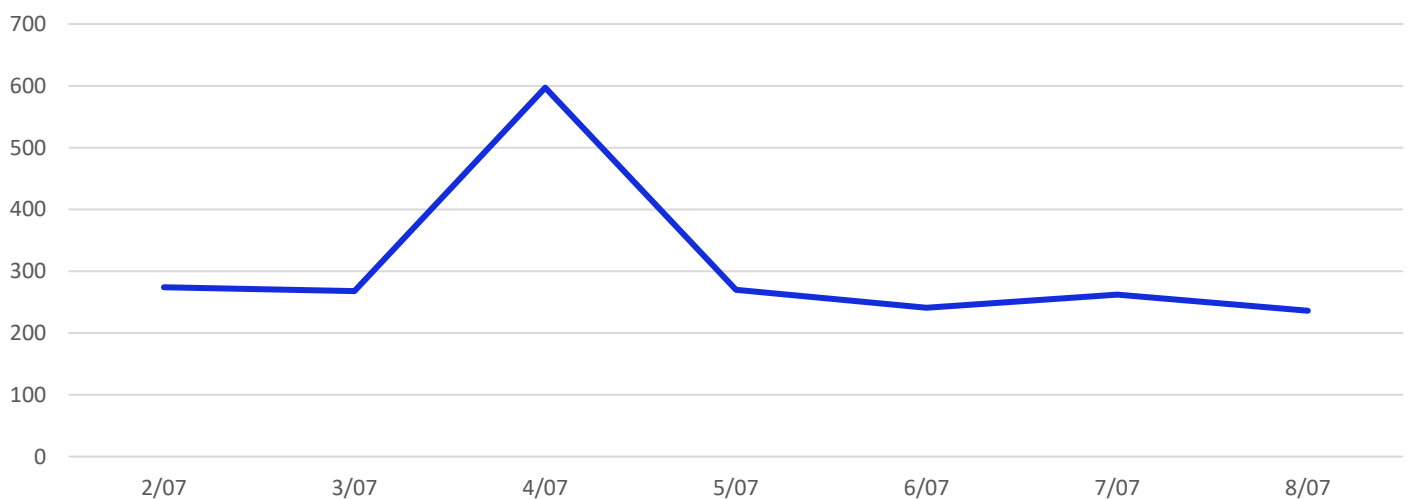
The metric tracks addresses that were active in the last 5500 blocks, roughly equivalent to one day. The chart displays this data for the past 7 days.

All Network Addresses
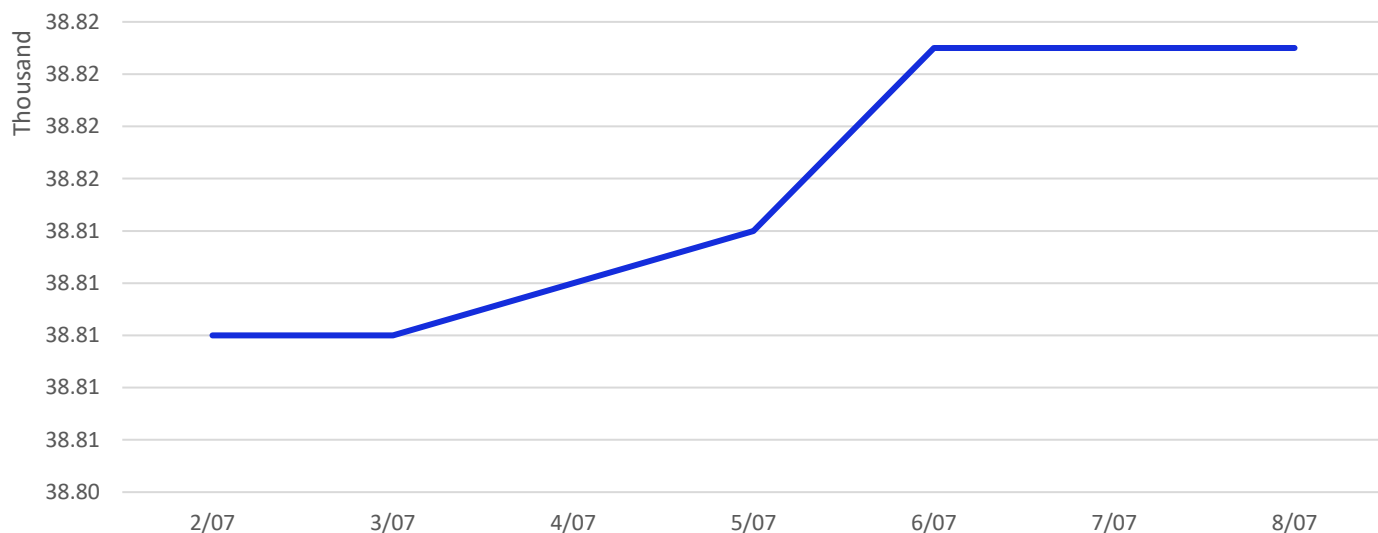
All Network Addresses tallies every unique address on the blockchain that has been used at least once. Since the blockchain constantly grows and evolves, the metric provided should be viewed as estimate rather than exact figure.

Number of New Addresses
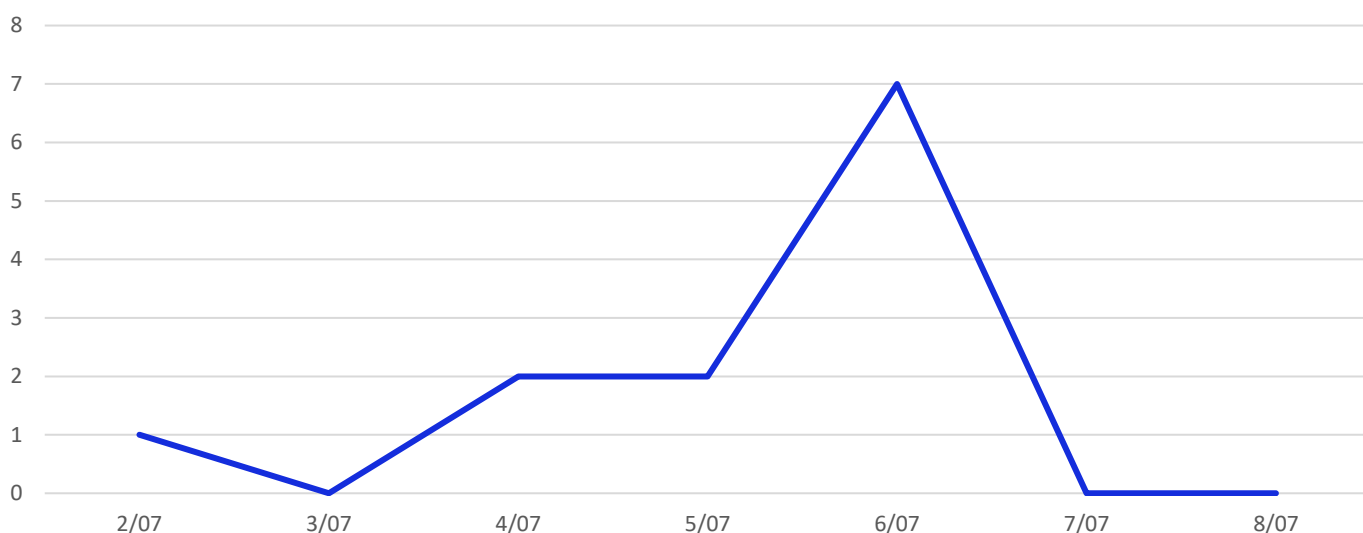
Number of New Addresses refers to all the newly created addresses on the network that haven't been used before.

These metrics offer insights into the network's growth and user engagement. All Network Addresses reflect the overall adoption and utilization of the blockchain, while the Number of New Addresses indicates the rate at which new users or entities are joining and starting to interact with the network.

Total MAN Value Transferred (measured in MAN and USD)
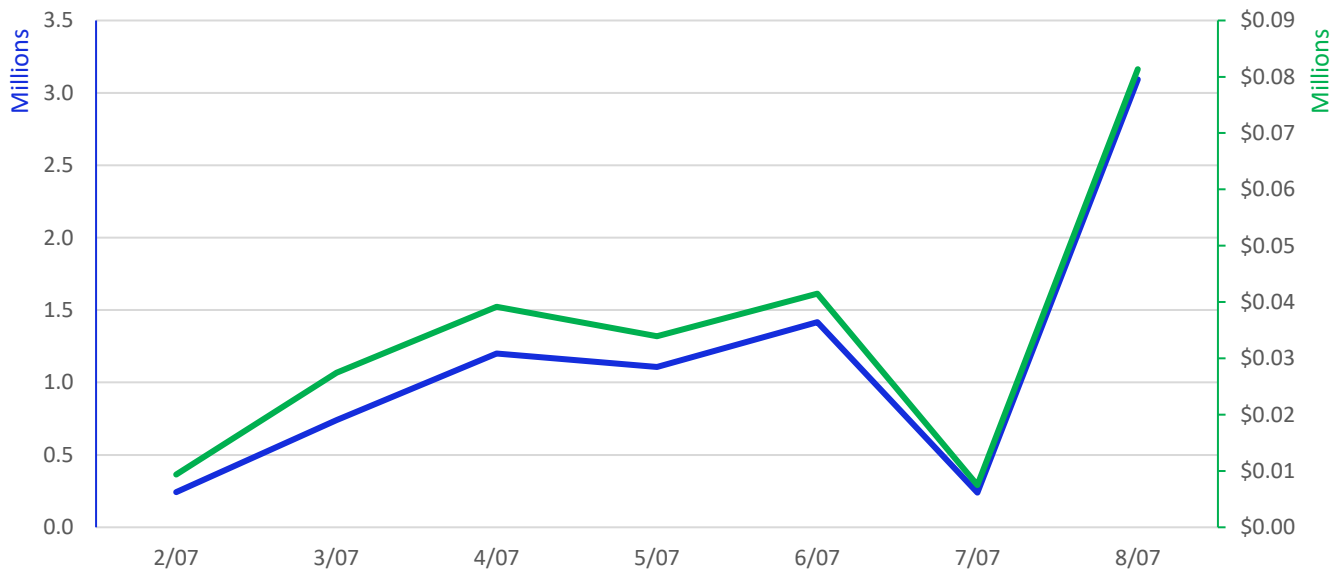
Blue line shows the total amount of $MAN coins moved in all transactions over a day, measured in $MAN.
Green line represents the total $MAN coins transferred in a day, but the value is calculated in USD.

Daily Total Transaction Count
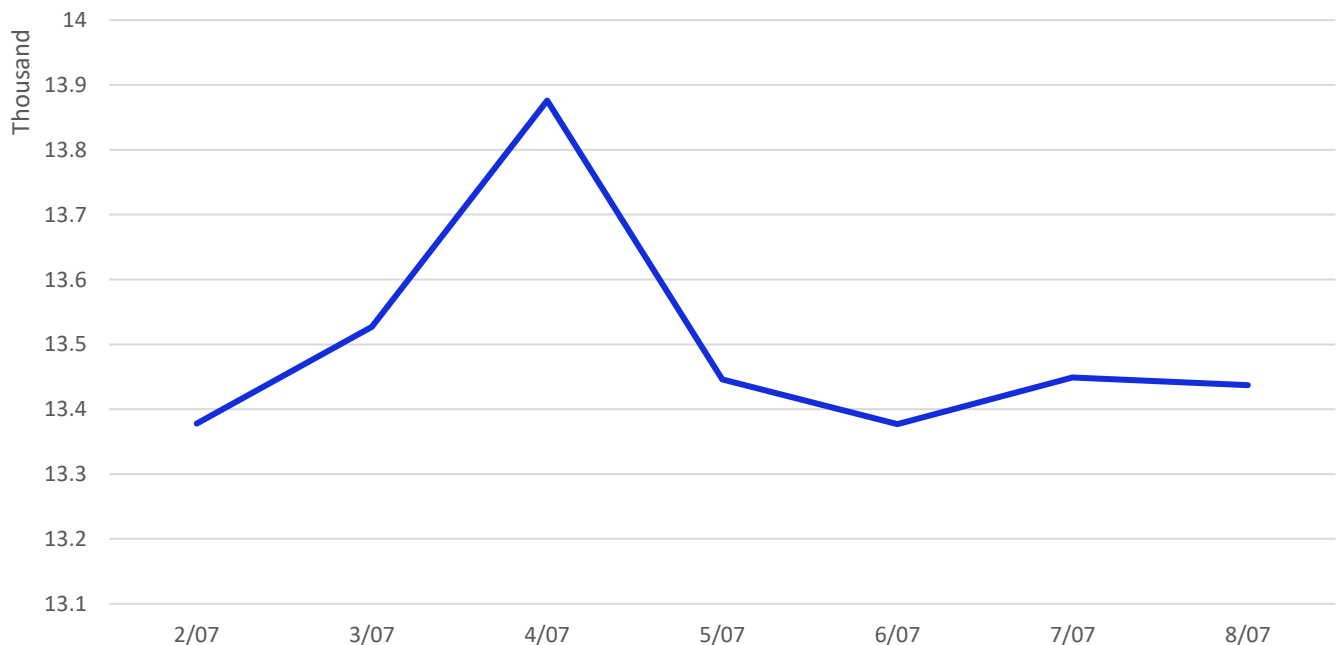
This chart represents the total number of transactions that took place over the last 5500 blocks, covering a single day's transactions. The data is shown for the previous 7 days.

$MAN Price Chart and Market Capitalization
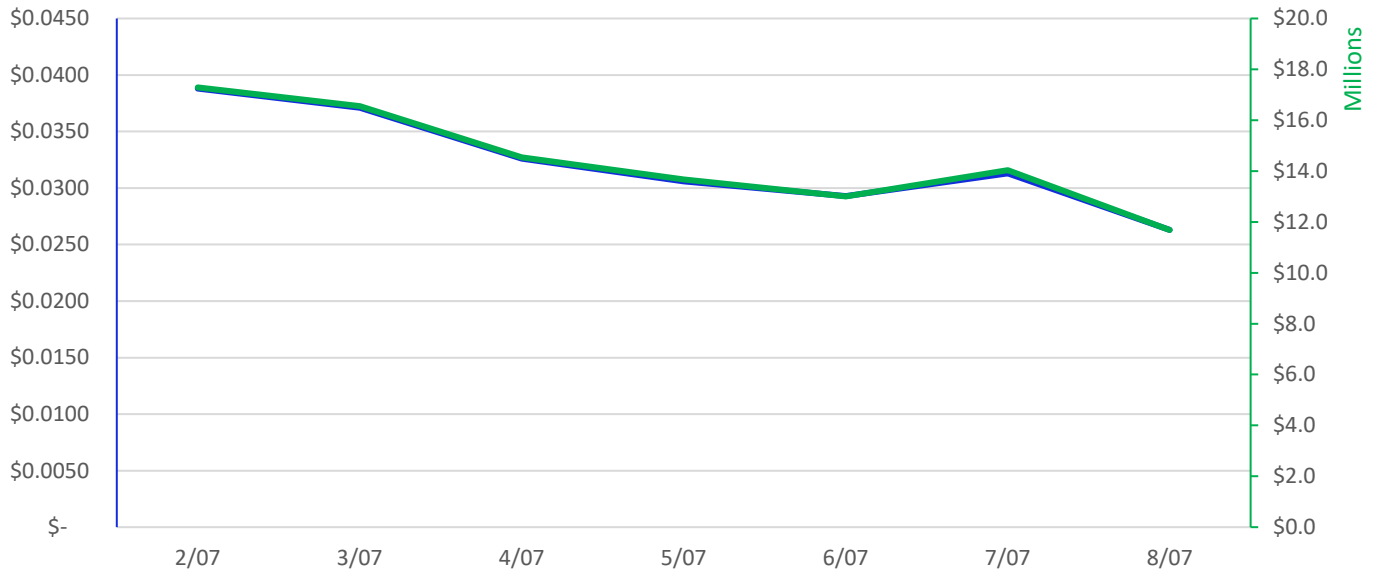
Blue line tracks the changing price of $MAN coins over time, showing how the value of $MAN fluctuates in the market.
Green line refers to the total market value of a $MAN cryptocurrency's circulating supply.
Market Cap = Current Price x Circulating Supply. Data provided by CoinGecko.

Trading Volume in USD
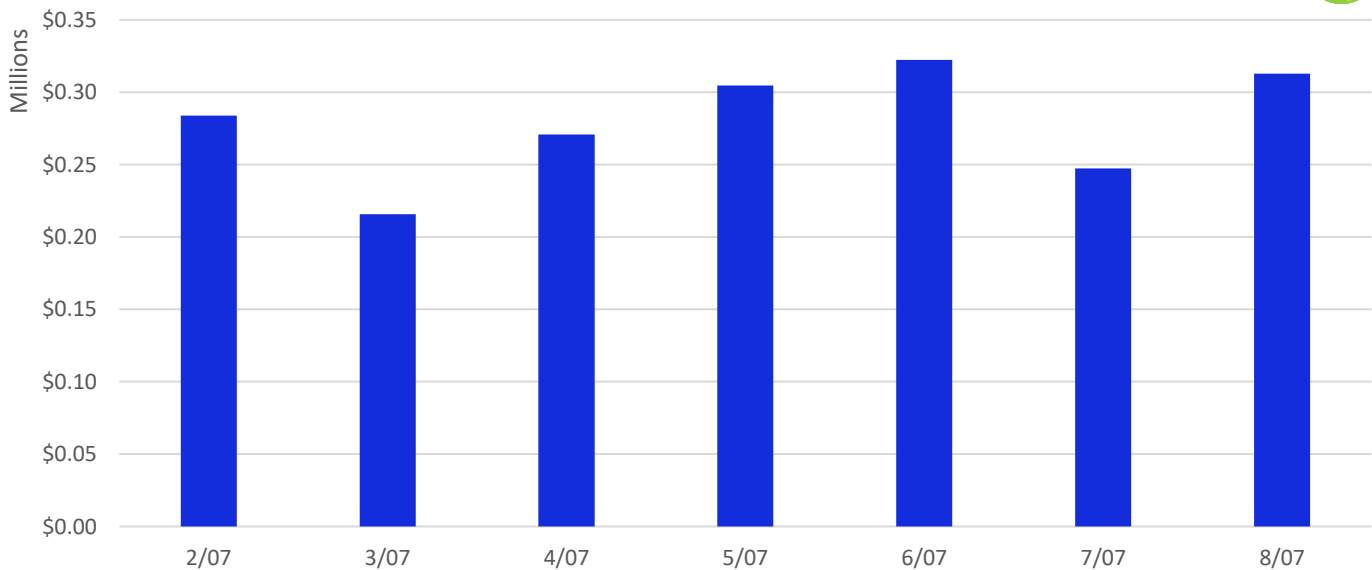
Trading Volume refers to the total number of $MAN coins traded in the previous 7 days. It indicates the activity level or liquidity of $MAN in the market, showing how frequently it's being bought and sold.
Data provided by CoinGecko.

Additional notes and news

The Weekly performance report is constantly under development. If you have any suggestions for improvement, please tag @drMurlly in the official Matrix AI Network Telegram Group or DM us on the X platform. If we find your suggested metrics useful and feasible to track, we will include them in our data monitoring.

Please support us and the Matrix AI Network by sharing this report with friends and others interested in cryptocurrency and AI.

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WEEKLY PERFORMANCE REPORT

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