
WEEKLY PERFORMANCE REPORT



Created by drMurllly



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16.12.2024
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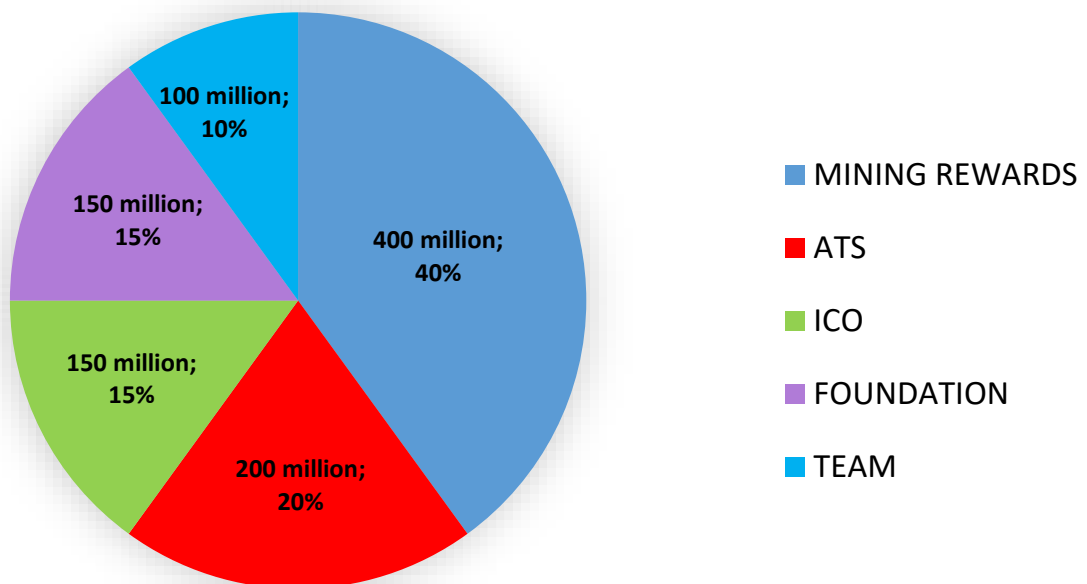
WEEK

50

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



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, advisors, early backers, managment and comunity anitiatives.



Weekly Performance Report

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Circulating Supply

454,359,340

Total Supply

754,359,360

Max Supply

1,000,000,000

Market Cap

\$13,753,156

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	37.40%
Current Block	13,121,962
Next Halving Block	15,000,000
Last Halving Block	12,000,000
Blocks Remaining	1,878,038
Estimated Time Remaining	334 days
Estimate Date	nov/2025



Next \$MAN Halving

37.40%

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

The last halving took place at 12.000.000 block on 11.6.2024.

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	10/12	12/12	14/12	16/12	7d Trend
Mining Rewards Account					
Balance	243,897,877	243,816,166	243,730,383	243,654,309	-0.1%
Staking Account					
Balance	198,531,290	198,493,688	197,068,701	192,856,410	-2.9%
KuCoin Account 1					
Balance	0	0	0	0	0
KuCoin Account 2					
Balance	231,836,967	233,255,287	237,102,581	238,544,503	2.9%
MEXC Account 1					
Balance	67,985,205	67,300,871	65,522,767	65,939,001	-3.0%
Gate.io Account					
Balance	65,293,809	65,293,809	65,390,959	65,398,458	0.2%
Foundation Account					
Balance	3,329,445	3,335,991	3,342,953	3,349,614	0.6%
Matrix Foundation					
Balance	30,000,000	30,000,000	30,000,000	30,000,000	0.0%
Matrix Foundation					
Balance	23,204,670	23,204,670	23,204,670	23,204,670	0.0%
Matrix Foundation					
Balance	22,300,000	22,300,000	22,300,000	22,300,000	0.0%



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Tracking Top 15 Accounts

Date	10/12	12/12	14/12	16/12	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.PEbibUWzTgL1tEFdLmqjF9Xn3S8				
Balance	1,650,657	1,650,657	1,650,657	1,650,657	0.0%
Unknown Account 14					
	MAN.KNCh9RxBNs4VTnkXRcM94J2PKpMj1				
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

25.57%

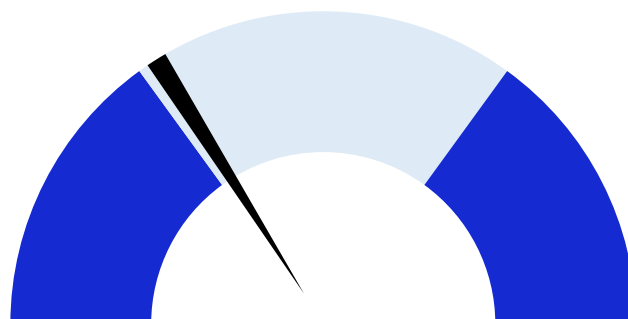
This metric can provide insights into the level of network participation among \$MAN holders, as well as the overall health and security of the network.

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.

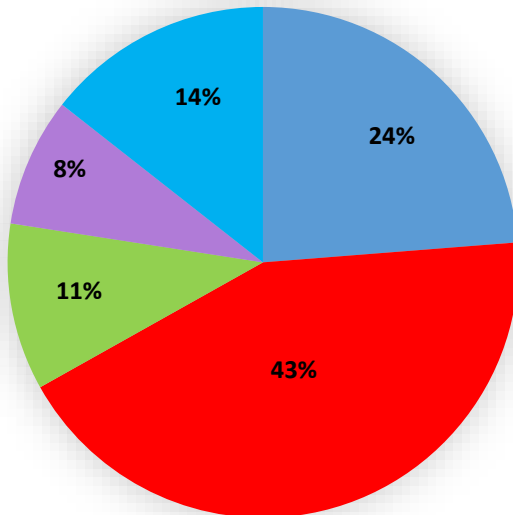
The gauge below represents the % of total supply coins that are being staked.



The **192,856,410** \$MAN coins are currently being staked to the network.



Staking Type Ratio

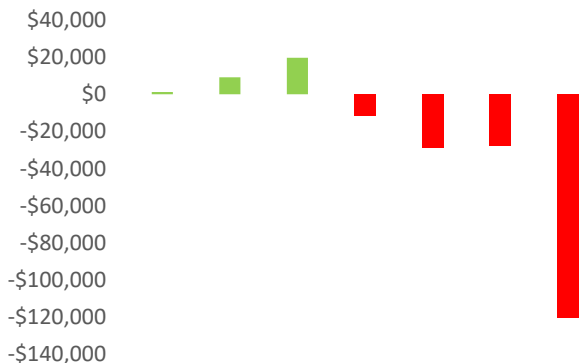


The graph represents all staked \$MAN coins and how all the staked coins are split according to staking type.

Flexible 45,807,545	30 days 83,154,734	90 days 20,384,132	180 days 15,727,045	360 days 27,782,954
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Net Staking Flow 7 days

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



Change

-\$158,495

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

1318

Change

-0.38%

This week

1313



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 drMurlyly'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

20.52 MAN

Reward Per Day for Fixed 30-days

615.60 MAN

Reward for Fixed 30-days Period



7.39 %

APR for Fixed 30-days

22.34 MAN

Reward Per Day for Fixed 90-days

2,010.60

MAN

Reward for Fixed 90-days Period



8.04 %

APR for Fixed 90-days

24.17 MAN

Reward Per Day for Fixed 180-days

4,350.60

MAN

Reward for Fixed 180-days Period



8.70 %

APR for Fixed 180-days

27.81 MAN

Reward Per Day for Fixed 360-days

10,011.60

MAN

Reward for Fixed 360-days Period



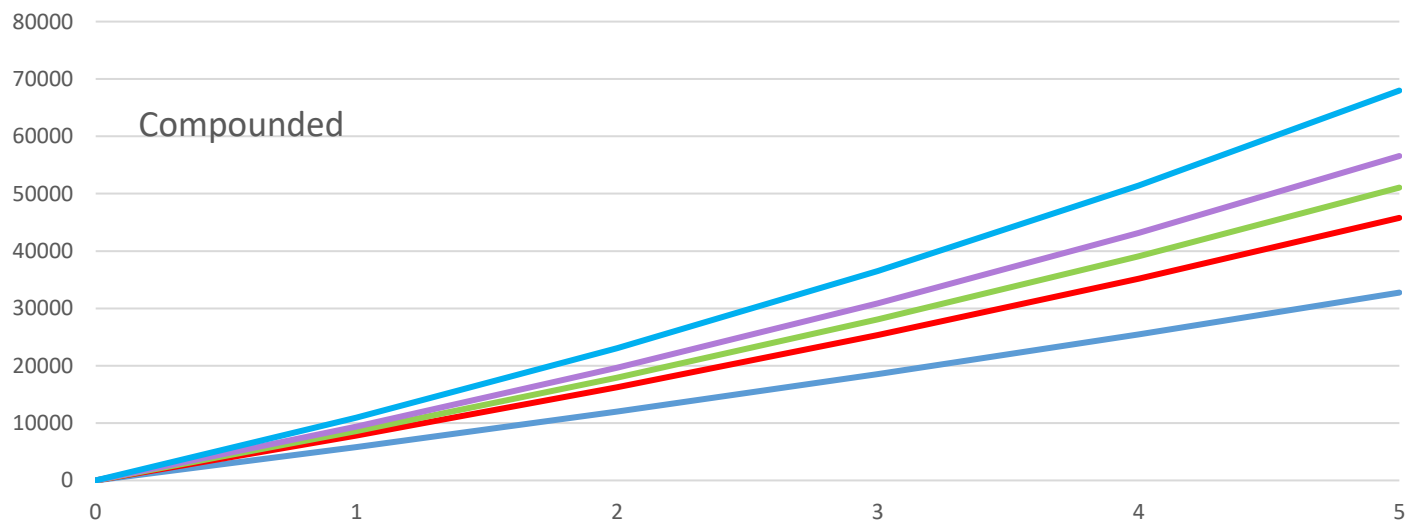
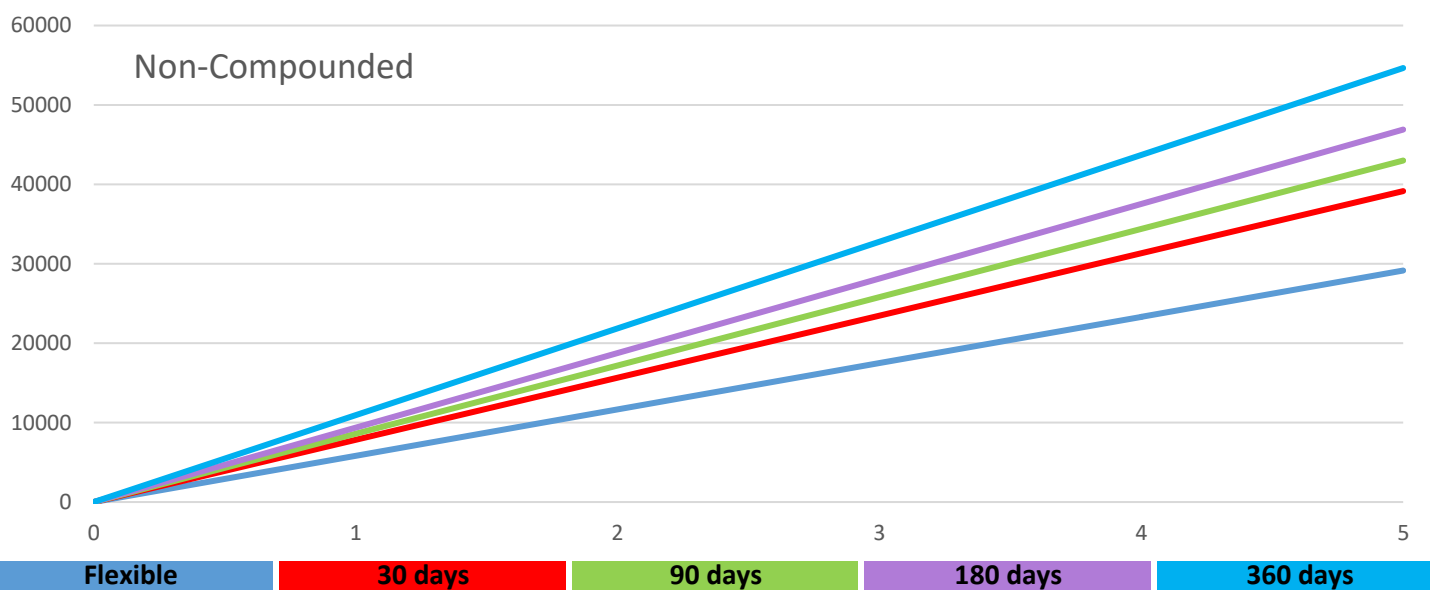
10.01 %

APR for Fixed 360-days



Rewards Over 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

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.



Weekly Performance Report Created by drMurilly



Staking With drMurilly



Earn Rewards

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



Support the network

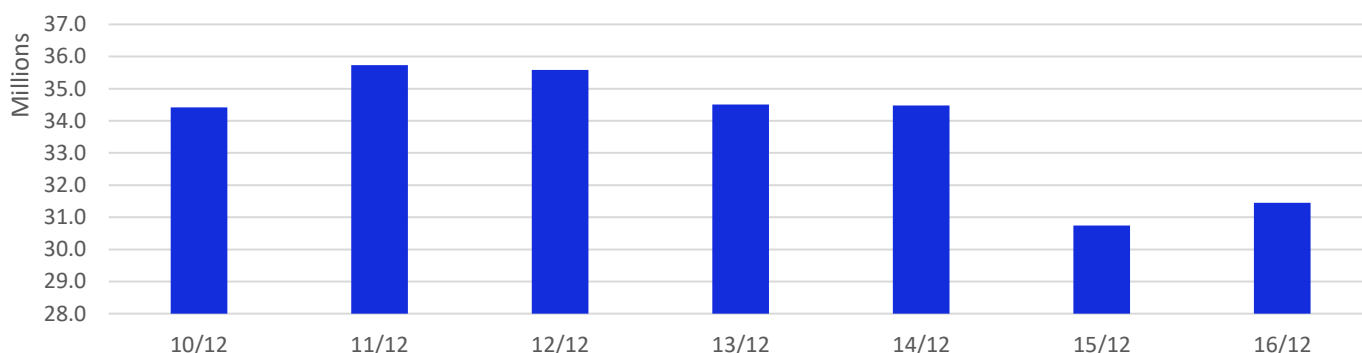
By staking your MAN coins, you are helping to support the network and validate transactions.



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 drMurilly, with data spanning the last 7 days.



Pools

10

Pools participants

350

Net Staking Flow 7 days \$

-\$89,504

\$MAN Unclaimed Reward

485,733

The data focuses on staking pools under drMurilly's management. 'Pools' indicates the number of pools drMurilly 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 drMurilly 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

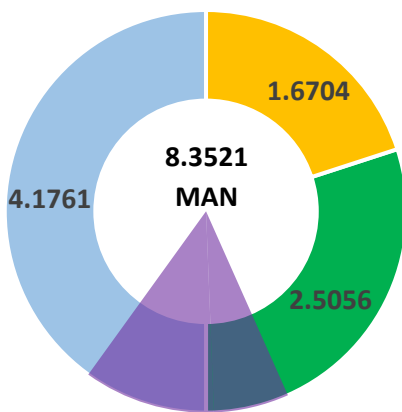
All our MAN collateral coins are locked for 360 days. We are committed to the growth and success of the network.



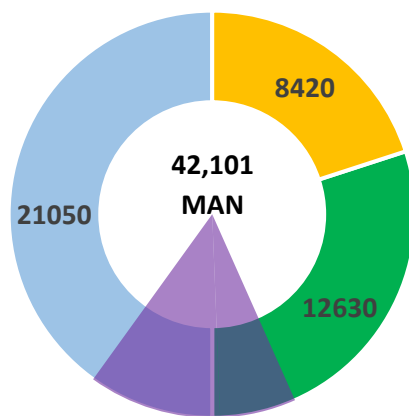
Rewards Distribution

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



PER DAY



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
3368 MAN

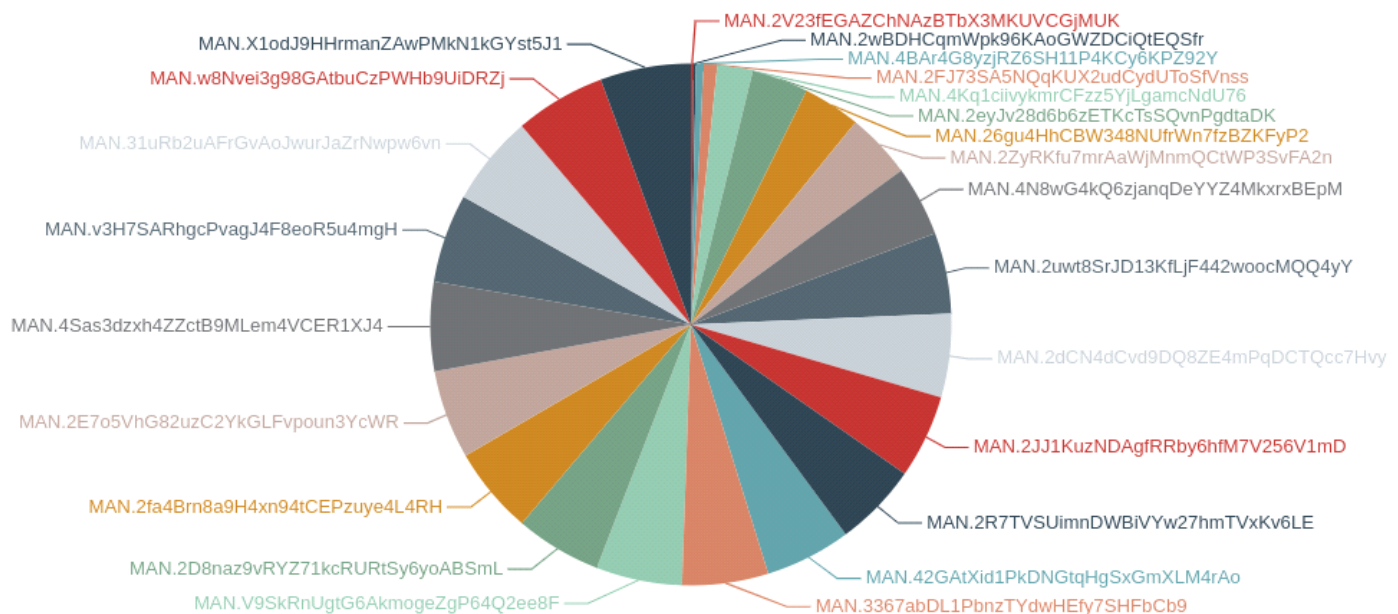


Validators Status

Date	10/12	12/12	14/12	16/12	7d Trend	7d Change
All Joint Mining Pools	40	40	40	40		0.0%
All Validators	88	92	92	89		1.1%
Blacklisted Validators	10	14	14	11		10.0%

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.

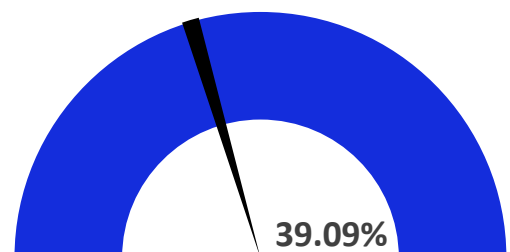
Blacklisted Miners are miners who have been penalized for not properly executing their mining transactions. If a miner is blacklisted, they face a suspension from mining activities for one cycle. The blacklisted miners list is cleared after every Round Robin cycle, leading to quick increases or decreases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

Date	10/12	12/12	14/12	16/12	7d Trend	7d Change
All Miners	1278	1277	1277	1275		-0.2%
Blacklisted Miners	88	82	100	117		33.0%

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 **243,654,309**

\$MAN already been mined **156,345,691**



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 $(\text{Total Supply} / \text{Annual Token Rewards}) \times 100$. 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
2.04%



Mining (PoW)

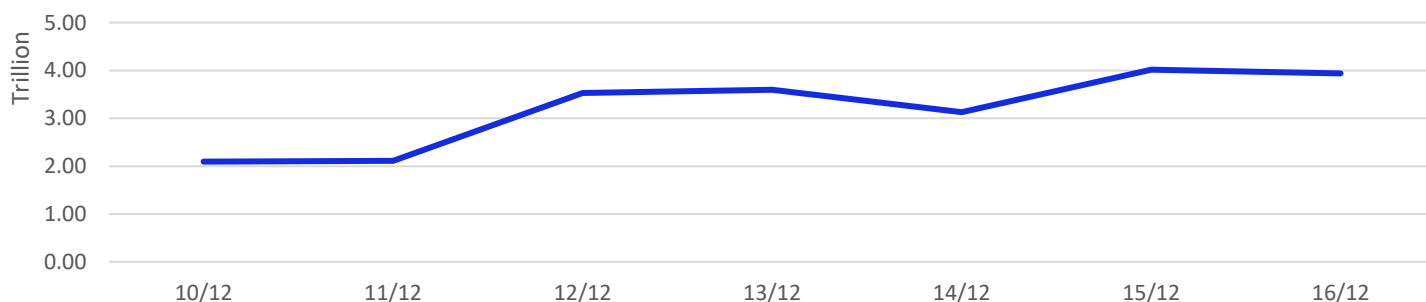
Estimated average return for MINING

31.50%

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

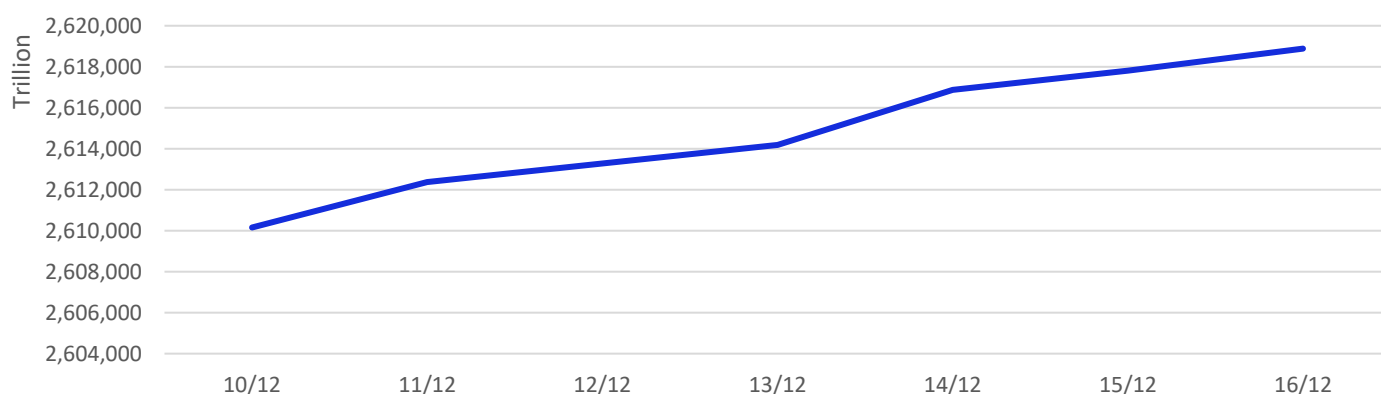


The chart above provides a summary of the block difficulty levels for the most recent 5500 blocks, covering roughly the last day's activity. It displays the trends in difficulty over the past 7 days.

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

	10/12	12/12	14/12	16/12	7d Trend	
Avg. Block Time (sec)	16.74	17.17	16.50	17.14		2.4%
Blocks per Day	5162	5033	5237	5041		-2.3%
Latest Block	13,091,471	13,101,368	13,111,892	13,121,962		0.2%
Block Size (byte size)	82716	81349	81416	81483		-1.5%
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.

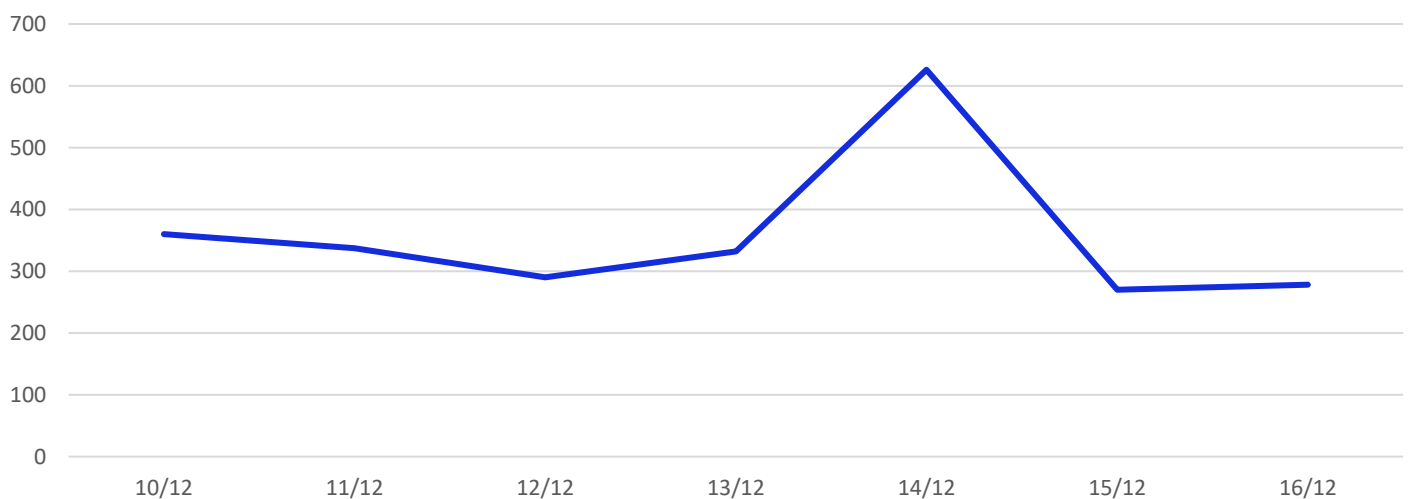
Block Size refers to the byte size of the most recent block.

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.

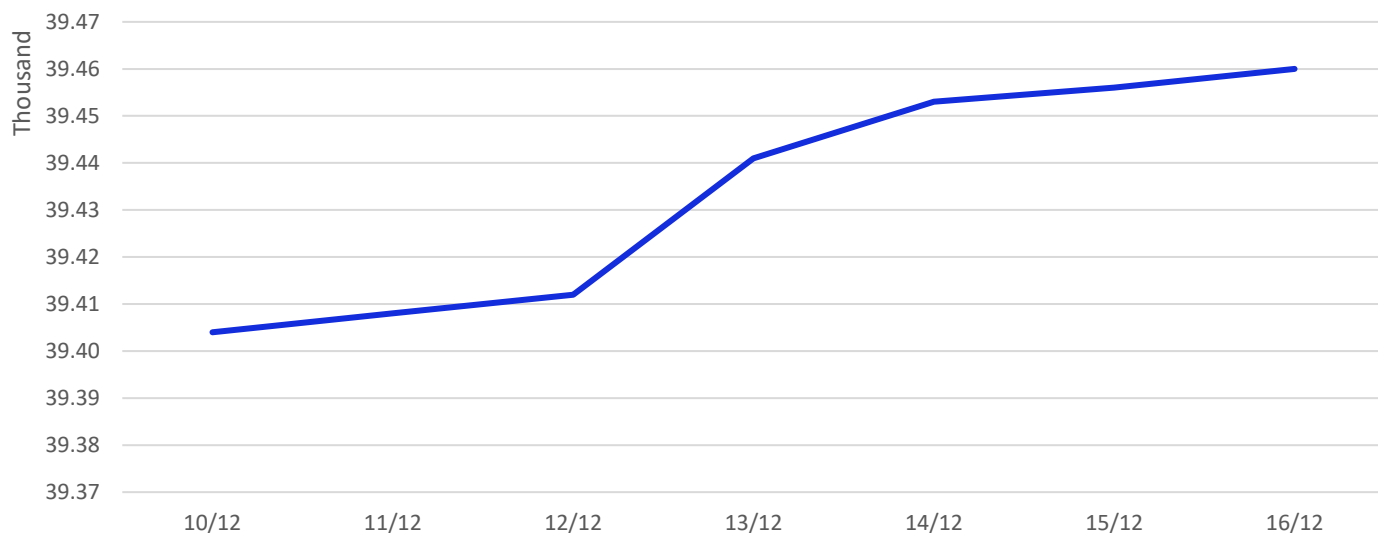
Number of Daily Active Addresses



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.

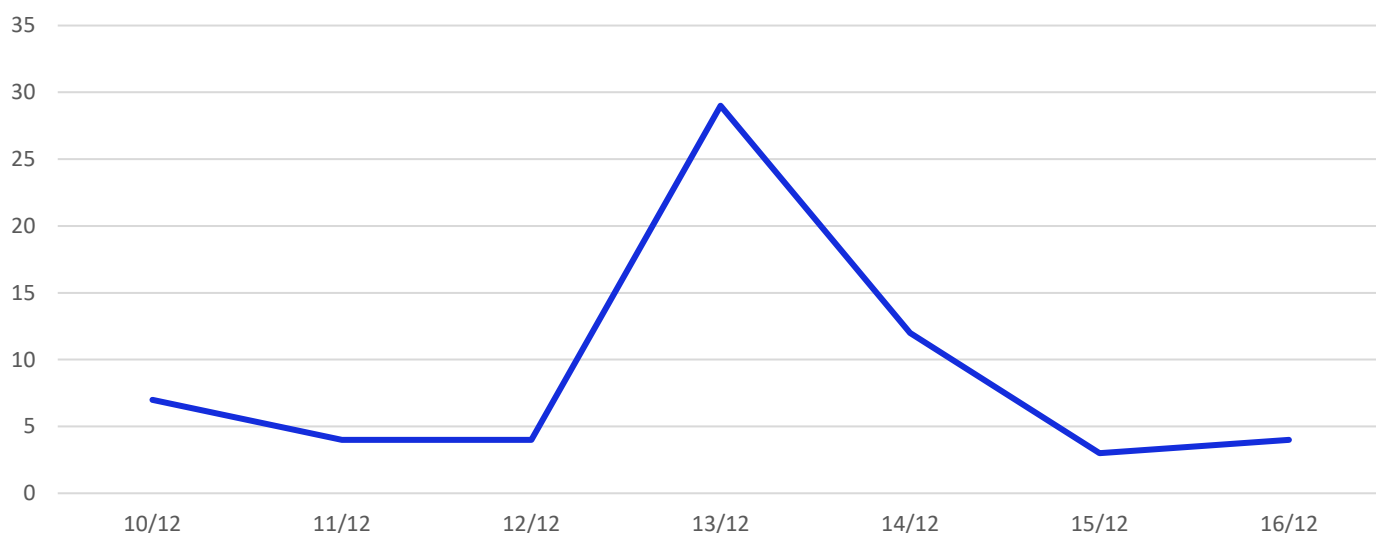


All Network Addresses



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

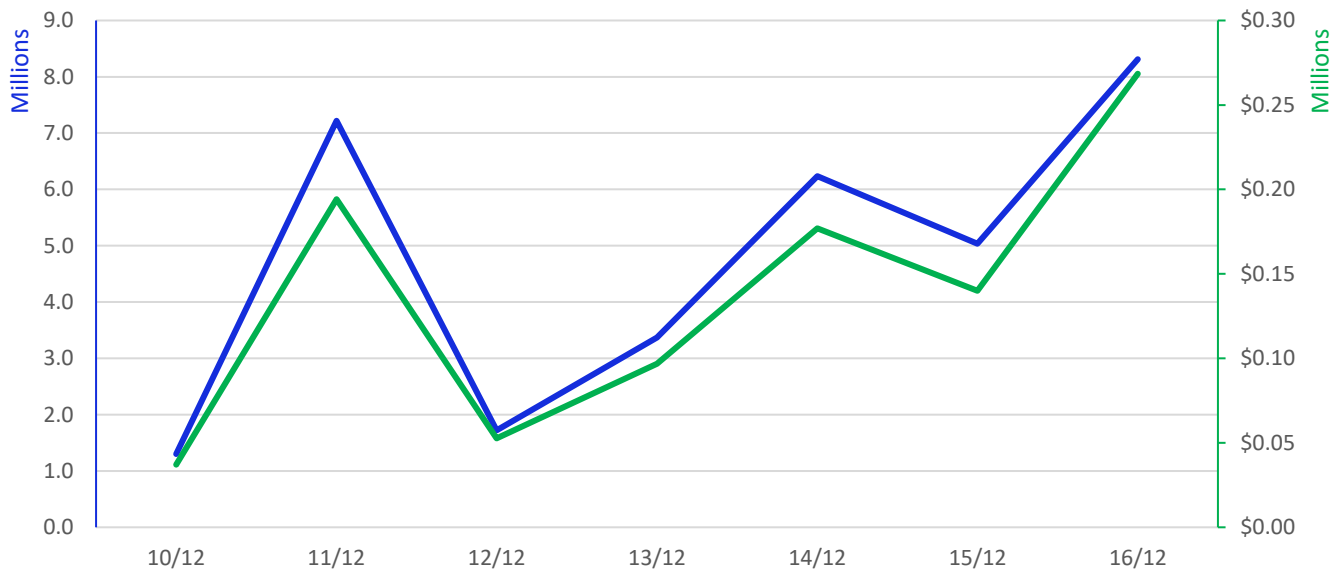


Number of New Addresses refers to all the newly created addresses on the network that haven't been used before.

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.

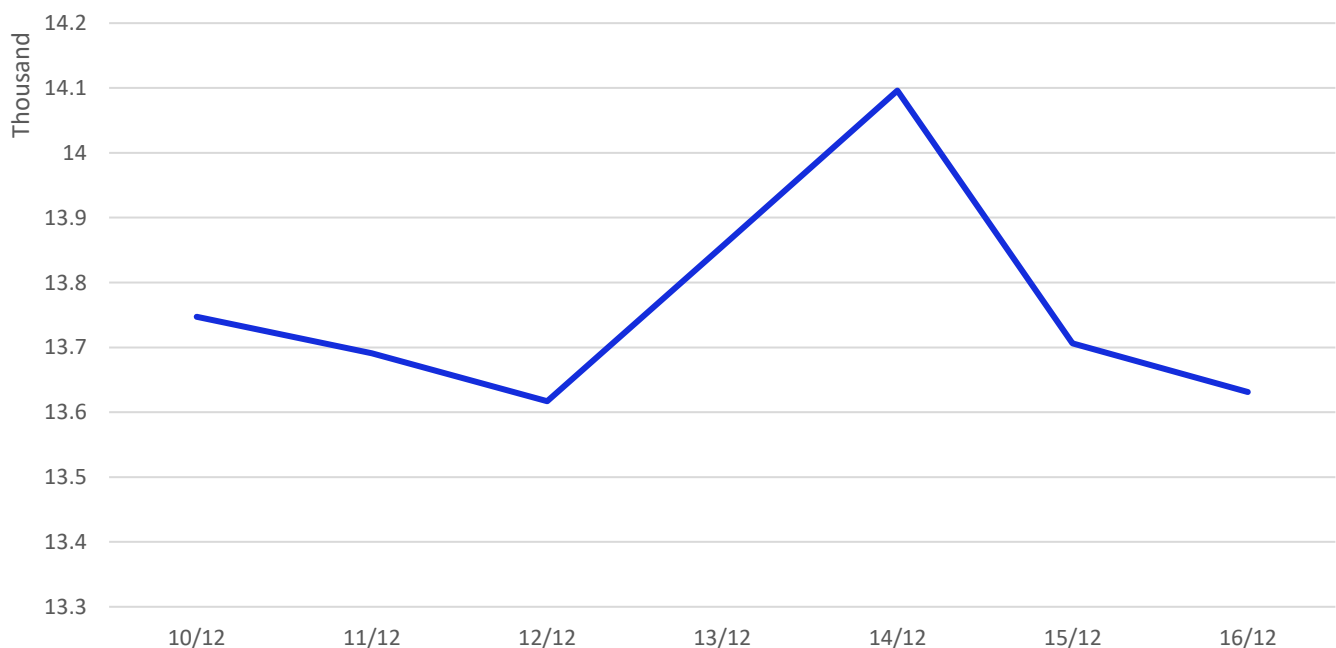


Total MAN Value Transferred (measured in MAN and USD)



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.

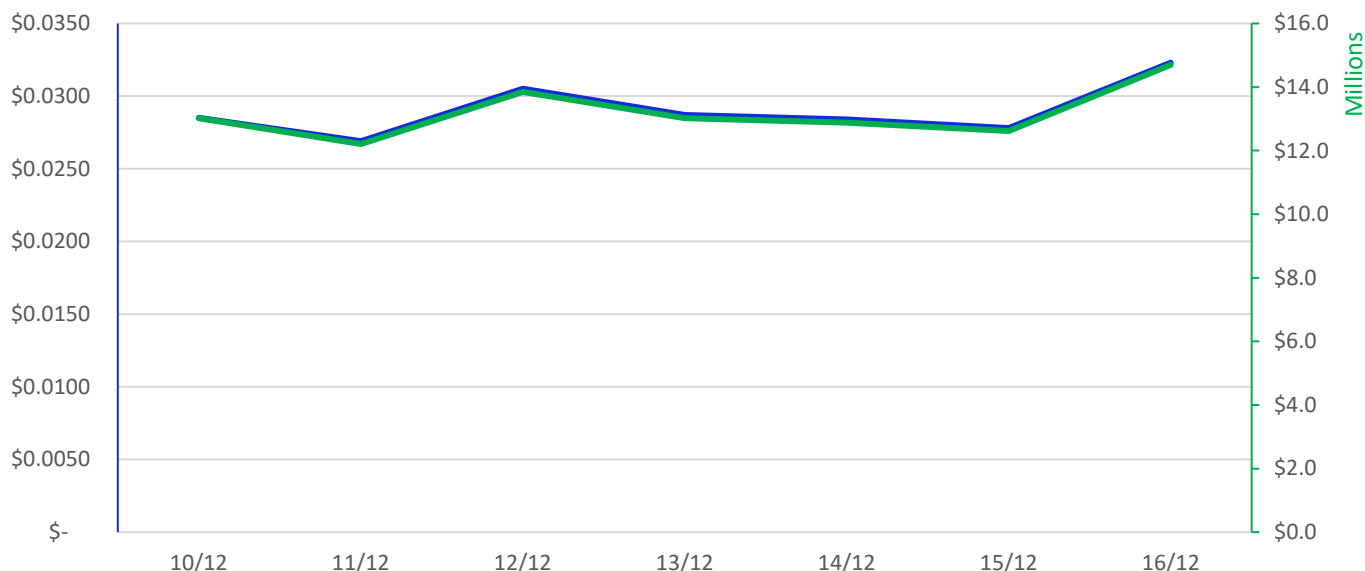
Daily Total Transaction Count



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

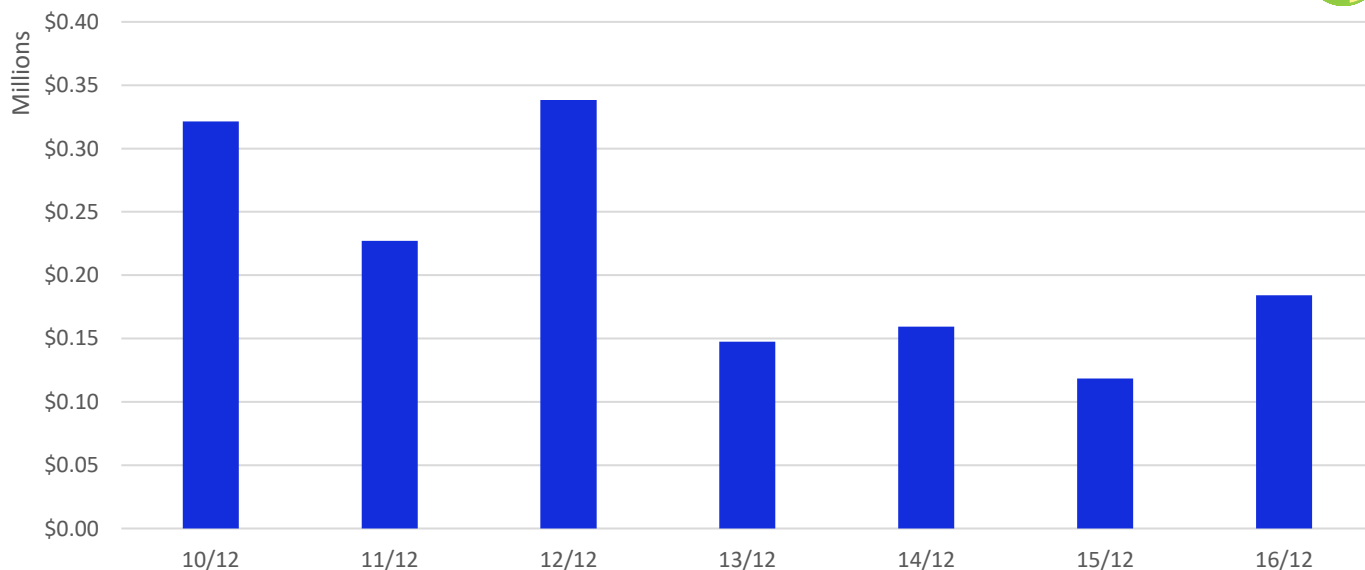


Blue line tracks the changing price of \$MAN coins over time, showing how the value of \$MAN fluctuates in the market.

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.



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Additional notes and news

The Weekly performance report is constantly under development. If you have any suggestions for improvement, please tag @drMurllly 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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OFFICIAL MATRIX AI NETWORK SOCIAL LINKS

<https://linktr.ee/matrixainetwork>
<https://t.me/matrixainetwork>
<https://www.matrix.io/>
<https://discord.com/invite/pz3a3GDGj8>
<https://twitter.com/MatrixAINetwork>
<https://github.com/MatrixAINetwork>
https://instagram.com/matrixainetwork?utm_medium=copy_link
<https://www.reddit.com/r/THEMATRIXAI/>
<https://medium.com/@matrixainetwork>
<https://www.youtube.com/channel/UCA8O5qOg0nVyd-L7RaOrmUw>

All Social Links

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Website

Discord

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GitHub

Instagram

Reddit

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YouTube

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TURKEY

@Stake_Matrix_AI



SPANISH

@StakeMatrixAI_E



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