



SMART CONTRACT SECURITY AUDIT

WATCHTOWER

DISCLAIMER

Watchtower has completed this report to provide a summary of the Smart Contract functions, and any security, dependency or cybersecurity vulnerabilities. This is often a constrained report on our discoveries based on our investigation and understanding of the current programming versions as at the date of this report. In order to understand the full scope of our analysis, it is vital for you to review the complete report. Although we have done our best in conducting our investigation and creating this report, it is vital to note that you should not depend on this report and cannot make any claim against Watchtower or its Subsidiaries and Team members on the premise of what has or has not been included in the report. Please remember to conduct your own independent examinations before making any investment choices. We do not provide investment advice or in any way claim to determine if the project will be successful or not.

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ABOUT THE AUDITOR:

Watchtower is an Anti-Scam Token Utility which reviews Smart Contracts and Token information to Identify Rug Pull and Honey Pot scamming activity.

Watchtowers Development Team consists of a number of Smart Contract creators, Auditors Developers and Blockchain experts.

Watchtowers Website Scanner reviews a number of Risk factors to provide an adequate Risk summary of token projects.

In Addition to this the team also helps with Creation of Smart Contracts for legitimate projects, Audits and Promotion.





OVERVIEW

Watchtower was commissioned by AtomPad to complete a Smart Contract audit.

The objective of the Audit is to achieve the following:

- Review the Project and experience and Development team
- Ensure that the Smart Contract functions are necessary and operate as intended.
- Identify any vulnerabilities in the Smart Contract code.

DISCLAIMER: This Audit is intended to inform about token Contract Risks, the result does not imply an endorsement or provide financial advice in any way, All investments are made at your own risk.

(<https://www.cryptowatchtower.io/>)



SMART CONTRACT REVIEW



Contract Created on the 8th October 2021

Solidity compiler v0.7.6

Contract name	AtomPad
Contract address	0x48ee0cc862143772feabaf9b4757c36735d1052e
Total supply	20,000,000
Token ticker	ATPAD
Decimals	18
Token holders	1231
Transactions count	3654
Top 5 holders dominance	2.5% (Team wallet excluded)*
Tax fee	0%
Total fees	0% ~ BUY / 0% ~ SELL
Contract deployer address	0x4FEfd9a1f71aEE73158299b2B36ef0C0c305Ccf6
Contract's current owner address	0x4FEfd9a1f71aEE73158299b2B36ef0C0c305Ccf6



Project Overview



Project Details: (Website: <https://atompad.io/>)

AtomPad is a diverse multichain De-Fi ecosystem which consists of a launchpad, contract auditing, blockchain gaming, token vesting and liquidity locking services.

AtomPad is the first platform that implemented NFTs into launchpad, investors will be able to purchase limited NFTs which will grant LIFETIME allocations for every project that launches on the platform.

Tokenomics:

Supply: 20,000,000 (20 Million)

0% Tax for Buys and 0% for Sells:

Team Review:

Watchtower reviewed a number of factors including the teams background and Cryptocurrency experience, social media interaction and availability, project momentum, token risks and community trust score.

The AtomPad team have expert knowledge of the blockchain and cryptocurrency. They have created a number of utilities and features including a Launchpad, token locker, NFT's and games.

Their pre-sale raised over 450,000 USD in approximately 2.5 Hours.

Their Social Media has over 13,000 followers and is currently trending.

TEAM DOXXED/KYC:

The team have been privately Doxxed to Watchtower and Watchtower is confident they are genuine in their project operations.



CONTRACT FUNCTIONS DETAILS

Functions (Public)

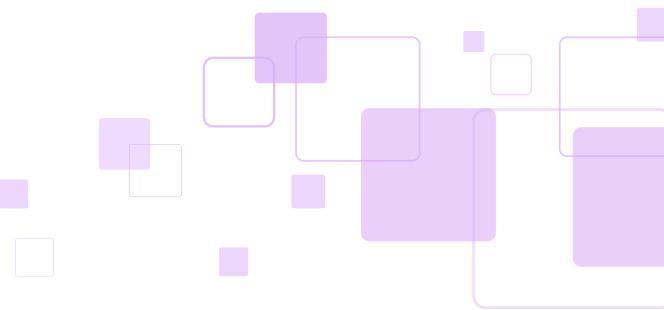
This contract has 7 available public functions which the owner can call. They are very limited and the functions were identified to be safe. They can be viewed on BSC Scan.

LINK:

<https://bscscan.com/address/0x48ee0cc862143772feabaf9b4757c36735d1052e#writeContract>

Function risks:

-No Scam Functions Identified!



Contract Stress Test

Imported Libraries / Interfaces

- Context
- Ownable
- IERC20
- IERC20 Metadata
- SafeMathInt
- SafeMathUint
- SafeMath
- ERC20
- IUniswapV2Router
- IUniswapV2Factory
- IUniswapV2Pair

Overview

1. ADDITION OF COMMENTS:	10
2. CALL STACK DEPTH ATTACK:	10
3. TIME STAMP DEPENDENCY:	10
4. PARTY MULTISIG BUG:	10
5. USE OF LIBRARIES/DEPENDENCIES (FROM TRUSTED SOURCES):	10
a. TRANSACTION-ORDERING DEPENDENCY:	10
6. ACCESS CONTROL AND AUTHORIZATION:	10
7. REENTRANCY ATTACKS:	10
8. ERC/BEP STANDARD VIOLATIONS:	10
9. USAGE OF VISIBILITY LEVELS:	10



ISSUES CHECKING STATUS



Issue description	Checking status
1. Compiler errors.	Passed
2. Race conditions and Reentrancy. Cross-function race conditions.	Passed
3. Possible delays in data delivery.	Passed
4. Oracle calls.	Passed
5. Front running.	Passed
6. Timestamp dependence.	Passed
7. Integer Overflow and Underflow.	Passed
8. DoS with Revert.	Passed
9. DoS with block gas limit.	Passed
10. Methods execution permissions.	Passed



Issue description	Checking status
11. Economy model of the contract.	Passed
12. The impact of the exchange rate on the logic.	Passed
13. Private user data leaks.	Passed
14. Malicious Event log.	Passed
15. Scoping and Declarations.	Passed
16. Uninitialized storage pointers.	Passed
17. Arithmetic accuracy.	Passed
18. Design Logic.	Passed
19. Cross-function race conditions.	Passed
20. Safe Open Zeppelin contracts implementation and usage.	Passed
21. Fallback function security.	Passed



SECURITY ISSUES



High Severity Issues

Nil



Medium Severity Issues

Nil



Low Severity Issues

Nil

Items previously noted were factors of deploying the contract and do not affect the contract functionality.



CONCLUSION



Watchtower reviewed AtomPads' deployed and verified contract to conduct this audit.

Watchtower is satisfied that the contract has no malicious coding.

The team used their own Launchpad/DEX for their pre-sale and had no vulnerabilities.

Watchtower Disclaimer:

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