Web3.Market

SECURITY AUDIT

SMART CONTRACT SECURITY ASSESSMENT

SecuryWallet

Wallet on Ethereum

95
/100

SECURITY SCORE

LOW RISK

This project demonstrates strong security practices. Minor optimizations may further enhance security posture.

⚠	⚠	⚠	⚠	⚠
0	0	0	2	1
CRITICAL	HIGH	MEDIUM	LOW	INFO

AUDITOR	AUDIT DATE	VERSION	REPORT ID
Web3.Market	December 19, 2025	v2025.12	AUDIT-1

Project Overview

Project Information

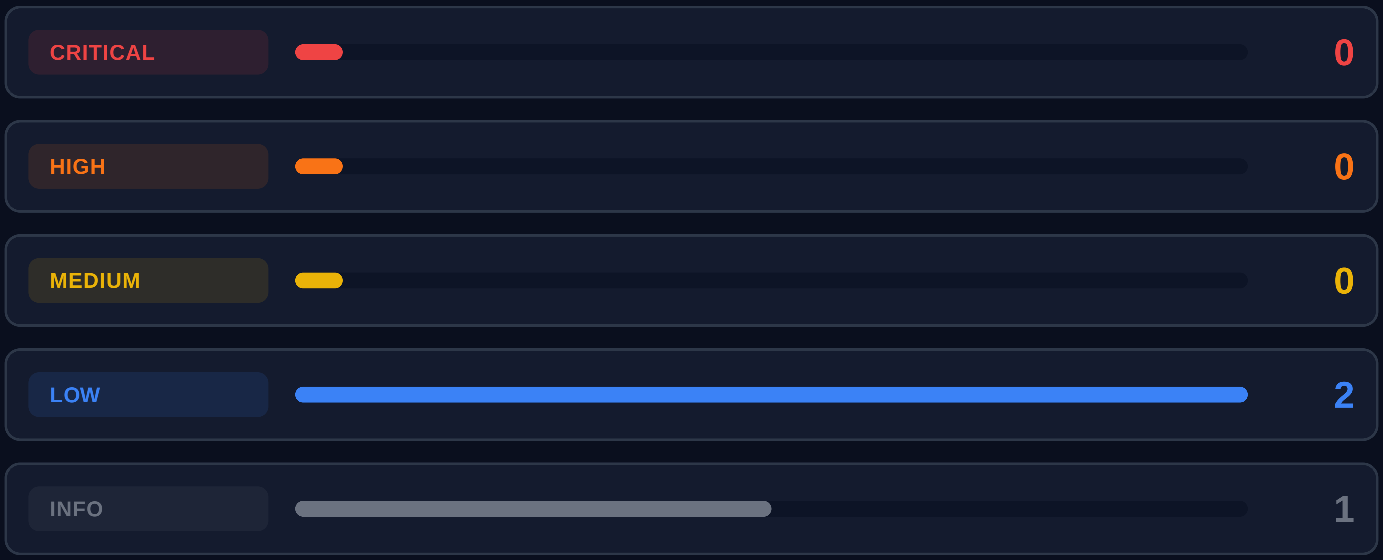
Project Name	SecuryWallet
Category	Wallet
Blockchain	Ethereum
Website	https://securywallet.com/
Auditor	Web3.Market
Audit Date	December 19, 2025
Report Version	v2025.12
Contracts Audited	1
Lines of Code	105

Contract Details

Contract Name	SecuryWalletToken
Contract Address	0x9b81520008cdb9609fe3cc2ca3769a633402ca3e
Blockchain	Ethereum
Verified	Yes
Security Score	68/100

Vulnerability Summary

Findings by Severity



Audit Summary

Total Findings	3
Resolved Issues	0
Open Issues	3
Security Score	95/100
Risk Level	Low

Detailed Findings

FINDING-001

LOW OPEN

Missing Event for Ownership Transfer

LOCATION

SecuryWalletToken.sol: L30-L33

DESCRIPTION

The transferOwnership function does not emit an event when ownership is transferred. This reduces transparency and makes it difficult for external systems or users to track changes in contract control.

RECOMMENDATION

Add an OwnershipTransferred event to log changes in ownership, following the ERC20 standard practice and enhancing transparency.

TYPE: Logging Deficiency **CWE:** CWE-778 **SWC:** SWC-110

FINDING-002

LOW OPEN

Lack of Input Validation for Large Transfers

LOCATION

SecuryWalletToken.sol: _transfer

DESCRIPTION

The transfer and transferFrom functions do not include checks for unreasonably large transfer amounts beyond balance checks. While not a direct vulnerability, this could lead to unintended behavior with extremely large values.

RECOMMENDATION

Consider adding an upper limit or additional validation for transfer amounts to prevent potential issues with large values.

TYPE: Input Validation **CWE:** CWE-20 **SWC:** SWC-104

Detailed Findings (Continued)

FINDING-003

INFORMATIONAL OPEN

Suboptimal Gas Usage in Allowance Updates

LOCATION

SecuryWalletToken.sol: L91-L95

DESCRIPTION

The _spendAllowance function updates the allowance by calling _approve, which may consume more gas than necessary due to redundant event emissions and storage writes. A direct update to the allowance mapping could be more gas-efficient.

RECOMMENDATION

Optimize gas usage by directly updating the allowance mapping in _spendAllowance instead of calling _approve, if event emission for allowance updates during transferFrom is not critical.

TYPE: Gas Optimization **CWE:** N/A **SWC:** SWC-109

Legal Disclaimer

SCOPE OF ASSESSMENT

This security audit report represents a time-limited review of the smart contract code provided. The assessment was conducted using automated tools, manual code review, and industry-standard security analysis methodologies. The scope is limited to the specific contract versions and configurations reviewed at the time of the audit.

LIMITATIONS

While this audit aims to identify potential vulnerabilities, it cannot guarantee the complete absence of security issues. Smart contracts may still contain undiscovered vulnerabilities, and this report should not be considered as a guarantee of security. The audit does not cover off-chain components, frontend applications, or third-party integrations unless explicitly stated.

NO FINANCIAL ADVICE

This report is provided for informational purposes only and should not be construed as investment, financial, legal, or tax advice. The security score and risk assessment are technical evaluations and do not constitute endorsements or recommendations regarding any cryptocurrency, token, or blockchain project.

LIABILITY

Web3.Market and its affiliates shall not be held liable for any damages, losses, or consequences arising from the use or misuse of this report. Users are advised to conduct their own due diligence and consult with qualified professionals before making any decisions based on this audit.

IMPORTANT: This audit report is valid only for the specific contract version reviewed. Any modifications to the codebase after the audit date may introduce new vulnerabilities not covered by this assessment. We strongly recommend re-auditing any material changes before deployment.

CONTACT

For questions regarding this audit report or to request additional security services, please contact Web3.Market through the official website at web3.market.