

WSN Protocol Simulation Report

This report presents the simulation results of various secure and energy-efficient protocols implemented for

Simulation Metrics

Protocol	Encryption Time (s)	Decryption Time (s)	Energy Consumption (J)	Packet Size (bytes)
OpenWSN_AES	5e-06	5e-06	0.052804999999999999	132.0
OpenWSN_SPECK	5e-06	5e-06	0.046404999999999995	116.0
OpenWSN_PRESENT	5e-06	5e-06	0.046404999999999995	116.0
OpenWSN_ChaCha20	5e-06	5e-06	0.044004999999999996	110.0
DASH7_AES	5e-06	5e-06	0.053604999999999999	134.0
DASH7_SPECK	5e-06	5e-06	0.047204999999999999	118.0
DASH7_PRESENT	5e-06	5e-06	0.047204999999999999	118.0
DASH7_ChaCha20	5e-06	5e-06	0.044805	112.0
OpenWSN_SelectiveAES	1.4e-07	1.4e-07	0.001674135	155.0

Visualizations







