



COMPARISON

	 SARDIS	 SOLANA	 ETHEREUM	 POLKADOT	 BINANCE SMART CHAIN	 AVALANCHE	 STELLAR
NATIVE TOKEN	SRDS	Sol	ETH	DOT	BNB	AVAX	XLM
YEAR OF FOUNDATION	2022	2020	2015	2020	2019	2020	2014
PROGRAMMING LANGUAGE	Go, Solidity	Rust	Solidity	Rust	Solidity	Go	StellarCore
CONSENSUS MECHANISM	HPoS	PoS	PoS	NPoS	PoS	PoS	Federated Byzantine
ARCHITECTURE	Multichain	Singlechain	Singlechain	Multichain	Singlechain	Multichain	Singlechain
THEORETICAL TPS	100,000+	65,000	15	1000	100	4000	2000
CURRENT TPS OF A SINGLE CHAIN	4,378	5,000	12	1,000	56	850	200
BLOCK TIME	3 secs	.4 secs	13 secs	6 secs	3 sec	<3 secs	5 secs
FINALITY	3 secs	46 secs	Up to 15 mins.	Up to 1 min.	45 secs	Up to 1 min	5 secs
NUMBER OF VALIDATORS- NODES	108	702	11,000	297	41	1142	50
EVM COMPATIBLE	Yes	No	Yes	No	Yes	Yes	No
TRANSACTION FEE	\$0.000000336	\$0.00001	\$15	\$0.15	\$0.13	\$0.001	\$0.00001
FULL DILUTED VALUATION-IDO	\$49,951,323	\$11,000,000,000	\$221,000,000,000	\$7,000,000,000	\$50,000,000,000	\$11,000,000,000	\$4,500,000,000
TOKEN SUPPLY	314,159,265 \$SRDS	488,630,611	∞	1,044,474,079	200,000,000	720,000,000	50,000,000,000
IDO TOKEN PRICE	\$0.159	\$0.22	\$0.31	\$0.29	\$0.15	\$0.50	\$0.10
USE OF MULTIPLE CHAINS	Yes	No	No	No	No	Yes	No
CONSENSUS FROM MULTIPLE UNDERLYING CHAINS	Yes	No	No	Shared security with relay chain	No	Yes	Yes
CROSS-CHAIN DATA VISIBILITY OF SELF-SOVEREIGN CHAINS	Yes, full support Also via bridge	No	Only via bridge	Yes	No	Yes	Yes
SMART CONTRACTS	Yes, fully EVM compatible	No	Yes	Supported by parachains	Yes	Yes	Yes
COMPUTATIONAL COMPLEXITY	Very high	High	High	Medium	High	High	High
CORRECTNESS GUARANTEE FOR COMPUTATION	50%+1 Node must be honest IBFT	Follows TowerBFT(POH)	51% of all nodes must be honest	2/3 of all nodes must be honest	2/3 of all nodes must be honest	2/3 of all nodes must be honest	Follows Federated Byzantine Agreement System
NETWORK DECENTRALIZATION	High	Medium	High	Medium	High	Medium	Medium
CENSORSHIP RESISTANCE	High	Medium	High	High	Medium	High	High
DATA REDUNDANCY	Very high /Medium	Thousands	Thousands	Min 14 validators	Thousands	Thousands	Thousands
TRANSACTION PROCESSING EFFICIENCY	Very high Produces and validates new blocks very 3 seconds 24/7	Medium	Low	Medium	High	High	High
VALIDATORS RANGE	Lowest: 1 Highest: Any given whole number	Lowest: 4 Highest: Any given whole number	Lowest: 4 Highest: Any given whole number	Lowest: 14 Highest: N/A	Lowest: 4 Highest: N/A	Lowest: 4 Highest: Any given whole number	Lowest: 4 Highest: Any given whole number
DETERMINISTIC COMPUTATION OVER MULTIPLE CHAINS	Yes	No	No	No	No	No	No