






Protocols for asset tokenization over bitcoin	 ChromaWallet (EPOBC)	 CoinSpark	 Counterparty	 Omni (Mastercoin)	 Open Assets
Protocol type	Colored coins	Multi-colored coins	Blockchain ledger	Blockchain ledger	Colored coins
Encoding method	Satoshi quantity	OP_RETURN	1-of-3 multisig	1-of-3 multisig	OP_RETURN
Asset independence (for scalability)	✓	✓	✗	✗	✗
Asset follow-on issuance	✗	Match by domain	✓	✓	✓
Asset tied to issuer domain	✗	✓	Optional	Optional	Optional
Contract notarization in genesis	✗	✓	✗	✗	✗
Atomic exchange transactions	✓	✓	✗	✗	✓
Blockchain decentralized exchange	✗	✗	✓	✓	✗
Optional transaction fees (to issuer)	✗	✓	✗	✗	✗
Max assets per txn (Bitcoin 0.10)	Unlimited	3	1	1	4 – 34
Max recipients per txn (Bitcoin 0.10)	Unlimited	Unlimited	1	1	4 – 34
Protection from other wallets	✓	✓	✗	✗	✓
Integrated messaging	✗	✓	✗	✗	✗
Available libraries (Apr 1, 2015)	Go, JS, Python	C, Go,, Java, JS, PHP, Python, Ruby	Python	Python	Python
Available wallets (Apr 1, 2015)	Windows, Linux	Windows, Mac, Linux, Java (SPV)	Web	Web	Web, Android

