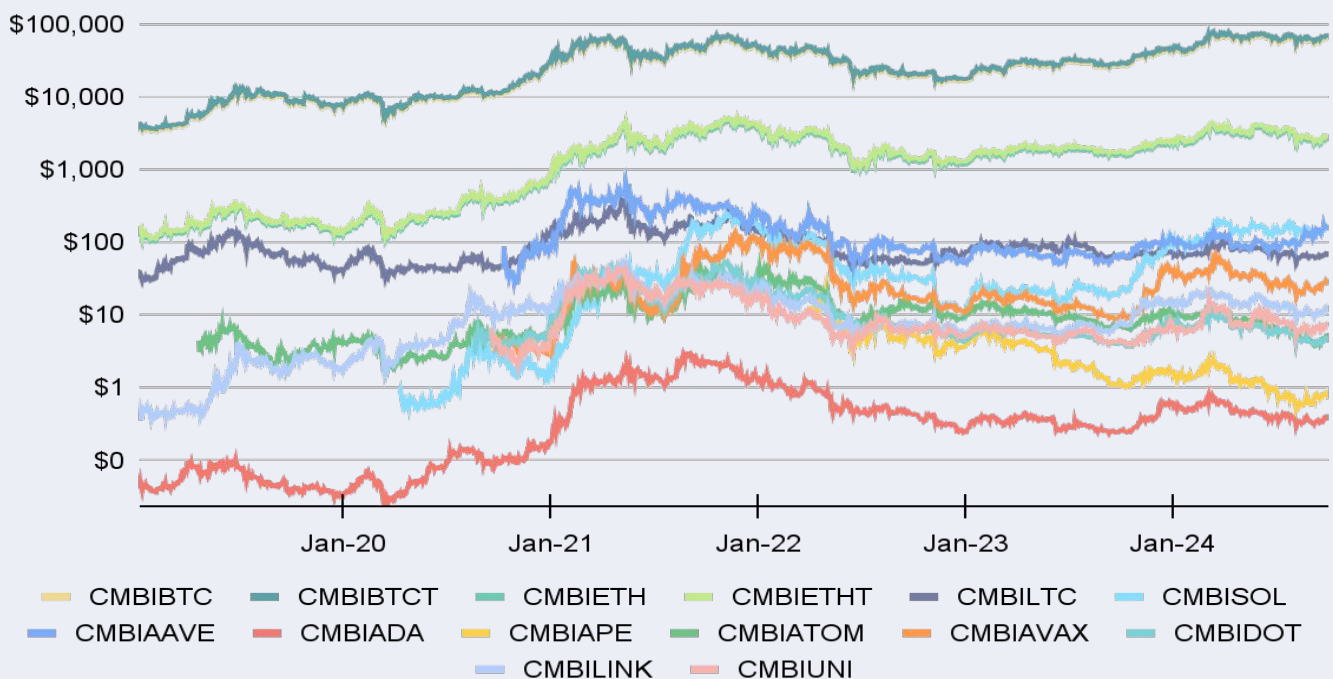


CMBI Single Asset Series

The CMBI Single Asset Series provide the cryptoasset community, investors and asset managers with publicly available and investable benchmarks that reliably and accurately track the price of a single cryptoasset, through sourcing market prices from numerous global liquidity venues. Indexes are designed to accurately reflect the performance of the global market, be easily tradable and be readily accessible to market participants.

Historical Performance*



*Performance of indexes prior to their respective launch date is back-tested performance utilizing historical data

Features

Coverage

Bitcoin, Ethereum, Litecoin, Solana, Aave, Cardano, Apecoin, Cosmos, Avalanche, Polkadot, Chainlink and Uniswap

Objective

The single asset indexes are designed for the creation of financial products including derivatives, index tracking funds and for use as a performance benchmark.

Investability

Assets launched in the CMBI Single Asset Series have been selected due to their investability in global markets.

Transparent

Index design and calculation follow a rules based process that is publicly available on the Coin Metrics website.

Price

Indexes are calculated based on price and total returns.

Availability

Single asset indexes produce two differently calculated prices:

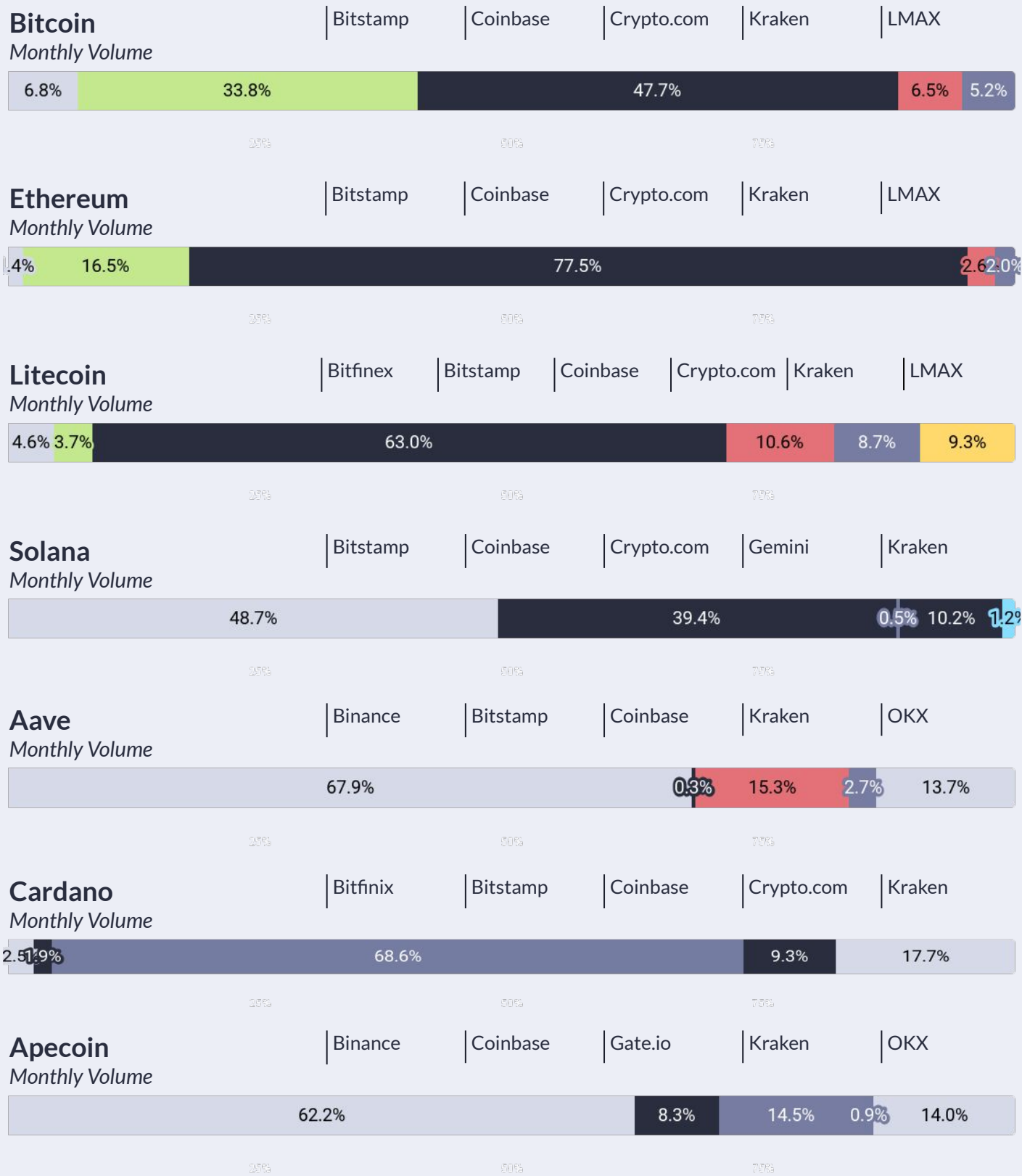
- Real-time prices that are available every 1 second and every 15 seconds,
- Close prices that are available at the end of each hour

Performance and Volatility

INDEX	Level	USD Returns			Annualized Returns			Volatility		
		1M	3M	YTD	1Y	3Y	5Y	1YR	3YR	5YR
CMBI Bitcoin, Price Return	\$97,040.28	40%	66%	128%	150%	19%	67%	52%	54%	62%
CMBI Bitcoin, Total Return	\$104,258.94	40%	66%	128%	150%	19%	67%	52%	54%	62%
CMBI Ethereum, Price Return	\$3,690.14	47%	48%	62%	76%	-7%	90%	61%	66%	79%
CMBI Ethereum, Total Return	\$4,005.99	47%	48%	62%	76%	-7%	90%	61%	66%	79%
CMBI Litecoin, Price Return	\$111.00	58%	72%	51%	55%	-19%	18%	68%	74%	88%
CMBI Solana, Price Return	\$235.45	42%	75%	125%	288%	1%		83%	101%	
CMBI Aave, Price Return	\$204.33	44%	65%	81%	103%	-7%		89%	96%	
CMBI Cardano, Price Return	\$1.10	210%	222%	83%	184%	-11%	94%	89%	80%	95%
CMBI Apecoin, Price Return	\$1.51	51%	154%	-8%	-6%			137%		
CMBI Cosmos, Price Return	\$8.69	108%	94%	-20%	-8%	-31%	18%	76%	87%	106%
CMBI Avalanche, Price Return	\$44.55	80%	101%	13%	104%	-28%		90%	94%	
CMBI Polkadot, Price Return	\$9.13	133%	118%	9%	67%	-37%		84%	80%	
CMBI Chainlink, Price Return	\$18.57	64%	74%	23%	24%	-10%	54%	78%	83%	103%
CMBI Uniswap, Price Return	\$12.97	71%	126%	76%	114%	-15%		112%	98%	

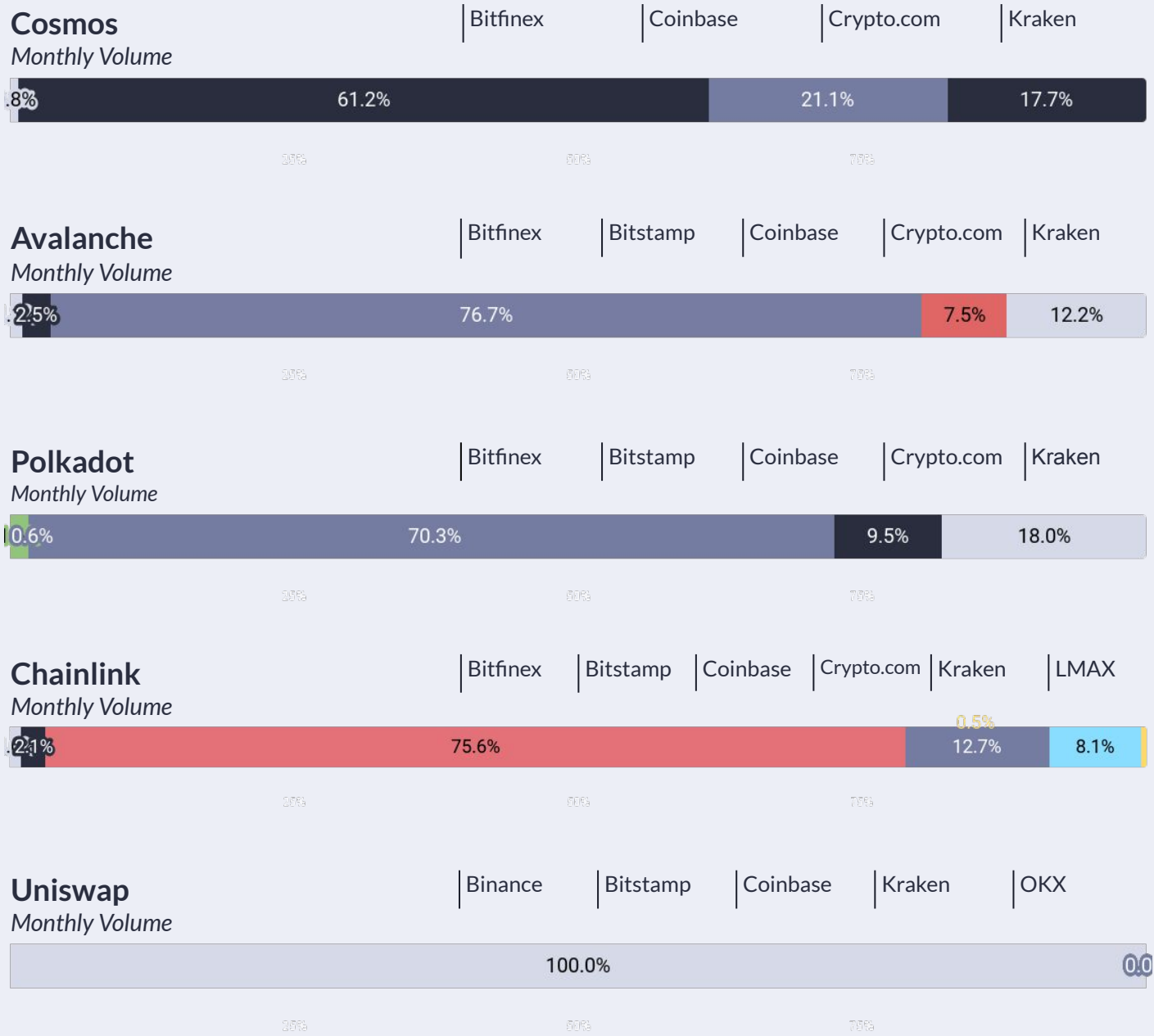
*Performance of indexes prior to their respective launch date is back-tested performance utilizing historical data

Current Constituent Markets*



*Performance of indexes prior to their respective launch date is back-tested performance utilizing historical data

Current Constituent Markets*



*Performance of indexes prior to their respective launch date is back-tested performance utilizing historical data

Calendar Year Performance

INDEX	2023	2022	2021	2020	2019
CMBI Bitcoin, Price Return	157%	-64%	58%	306%	94%
CMBI Bitcoin, Total Return	157%	-64%	58%	306%	94%
CMBI Ethereum, Price Return	90%	-67%	392%	480%	-2%
CMBI Ethereum, Total Return	90%	-67%	392%	480%	-2%
CMBI Litecoin, Price Return	5%	-51%	16%	203%	37%
CMBI Solana, Price Return	938%	-94%	10918%		
CMBI Aave, Price Return	115%	-79%	188%		
CMBI Cardano, Price Return	141%	-81%	615%	452%	-19%
CMBI Apecoin, Price Return	-55%				
CMBI Cosmos, Price Return	15%	-70%	402%	48%	
CMBI Avalanche, Price Return	259%	-90%	3631%		
CMBI Polkadot, Price Return	92%	-84%	205%		
CMBI Chainlink, Price Return	171%	-71%	71%	538%	526%
CMBI Uniswap, Price Return	42%	-69%	234%		

*Performance of indexes prior to their respective launch date is back-tested performance utilizing historical data

Return / Risk Ratio and Drawdown

INDEX	Sharpe Ratio*			Drawdown		
	1YR	3YR	5YR	1YR	3YR	5YR
CMBI Bitcoin, Price Return	1.93	0.52	1.10	-27%	-76%	-76%
CMBI Bitcoin, Total Return	1.93	0.52	1.10	-27%	-76%	-76%
CMBI Ethereum, Price Return	1.15	0.16	1.17	-45%	-81%	-81%
CMBI Ethereum, Total Return	1.15	0.16	1.17	-45%	-81%	-81%
CMBI Litecoin, Price Return	0.90	0.03	0.61	-48%	-84%	-88%
CMBI Solana, Price Return	1.99	0.48		-39%	-97%	
CMBI Aave, Price Return	1.17	0.36		-44%	-86%	
CMBI Cardano, Price Return	1.54	0.20	1.14	-60%	-90%	-92%
CMBI Apecoin, Price Return	0.46			-78%		
CMBI Cosmos, Price Return	0.20	-0.04	0.66	-73%	-91%	-91%
CMBI Avalanche, Price Return	1.18	0.07		-69%	-94%	
CMBI Polkadot, Price Return	0.95	-0.23		-66%	-93%	
CMBI Chainlink, Price Return	0.60	0.24	0.91	-56%	-86%	-90%
CMBI Uniswap, Price Return	1.15	0.27		-67%	-87%	

*Performance of indexes prior to their respective launch date is back-tested performance utilizing historical data

Specifications

	CMBI Bitcoin	CMBI Ethereum	CMBI Litecoin	CMBI Solana	CMBI Avalanche
Launch Date	Jan 1, 2020	Jan 1, 2020	Mar 12, 2021	Sep 1, 2021	May 13, 2022
Base Date	Jul 18, 2010	Aug 8, 2015	Apr 1, 2013	Apr 11, 2020	Sep 23, 2020
Base Value	\$0.0808	\$0.5320	\$1.2922	\$0.8175	\$5.2384
Calculation Currencies	USD	USD	USD	USD	USD

	CMBI Aave	CMBI Cardano	CMBI Apecoin	CMBI Cosmos	CMBI Polkadot
Launch Date	May 13, 2022	Jun 8, 2022	May 13, 2022	May 13, 222	May 13, 2022
Base Date	Oct 10, 2020	Dec 1, 2017	Apr 1, 2022	Apr 23, 2019	Mar 12, 2020
Base Value	\$51.0800	\$0.1220	\$12.7200	\$3.8179	\$35.1454
Calculation Currencies	USD	USD	USD	USD	USD

	CMBI Chainlink	CMBI Uniswap
Launch Date	May 13, 2022	May 13, 2022
Base Date	Sep 29, 2017	Sep 18, 2020
Base Value	\$0.2427	\$3.6543
Calculation Currencies	USD	USD

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