A Division of Coin Metrics

# **CMBI Mining Series**

The CMBI Mining Series provide the cryptoasset community, investors and asset managers with publicly available and investable benchmarks that reliably and accurately track the activity of one of crypto's critical functions, mining.

The CMBI Bitcoin Hash Rate (CMBIHASH) represents the implied hash rate that miners are contributing to Bitcoin at any single point in time. The CMBI Bitcoin Hash Rate utilize a 48hr lookback window to accurately reflect the current performance of miners whilst maintaining resistance to outlier results and potentially manipulative activities.

The CMBI Bitcoin Observed Work (CMBIWORK) utilizes the real-time levels from the CMBI Bitcoin Hash Rate to represent an approximation for the number of hashes that have been conducted over the previous 24hr period.

### Historical Performance\*



<sup>\*</sup>Performance of indexes prior to their respective launch date is back-tested performance utilizing historical data

### **Features**

### Coverage

CMBI Mining Series currently provides coverage for Bitcoin only.

### **Objective**

Mining indexes are designed to accurately represent mining activity and act as the basis for financial products including derivatives such as futures and swaps.

### **Transparent**

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

### Investability

Assets launched in the CMBI Mining Series have selected based on the size and activity of mining conducted on their network.

### **Price**

CMBI Hash Rate is measured in Petahashes/second. CMBI Observed Work is measured in Zettahashes/day.

### **Availability**

Mining indexes are calculated every 5 seconds. The close price for the CMBI Mining Series is the 5 second level from 12:00ET.

coinmetrics.io | (/\lambda **AS OF OCTOBER 01, 2024** 

# Coin Metrics Bletchley Indexes (CMBI)

A Division of Coin Metrics

### **Performance**

		Level Change			Annualized Level Change		
INDEX	Level	1M	3M	YTD	1Y	3Y	5Y
CMBI Bitcoin Hash Rate	\$628,428.75	-3%	12%	16%	62%	63%	49%
CMBI Bitcoin Observed Work	\$53,483.33	-2%	9%	17%	57%	63%	49%

<sup>\*</sup>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 Hash Rate	101%	69%	3%	58%	141%
CMBI Bitcoin Observed Work	100%	67%	4%	51%	150%

## Mining Related Network Data\*

INDEX	1M	3M	YTD	2023	2022	2021	2020
Blocks Produced per Day	143	146	145	148	146	144	145
Mean Block Size (Bytes)	1669318	1637872	1671791	1702038	1190335	1223749	1188946
Mean Difficulty (millions)	90815713	87027538	83073986	51942610	30354804	20325259	16590055

<sup>\*</sup>Performance of indexes prior to their respective launch date is back-tested performance utilizing historical data

## Mining Revenues\*

INDEX	1M	3M	YTD	2023	2022	2021	2020
Mean Fee (BTC)	0.05	0.07	0.34	0.44	0.10	0.42	0.52
Mean Fee (USD)	\$3,306	\$4,305	\$20,214	\$14,826	\$2,706	\$20,037	\$6,345
Mean Subsidy(BTC)	3.13	3.09	4.36	6.25	6.25	6.25	8.50
Mean Subsidy(USD)	\$188,922	\$188,623	\$256,975	\$180,369	\$176,199	\$296,492	\$87,736
Mean Reward (BTC)	3.18	3.16	4.71	6.69	6.35	6.67	9.02
Mean Reward (USD)	\$192,228	\$192,929	\$277,189	\$195,195	\$178,905	\$316,529	\$94,081

<sup>\*</sup>Mining related network data is calculated using Coin Metrics Network Data Pro end of day values(00:00UTC)

Specifications	CMBI Bitcoin Hash Rate	CMBI Bitcoin Observed Work
Launch Date	Sep 23, 2020	Sep 23, 2020
Base Date	Aug 08, 2015	Jan 3, 2017
Base Value	100	100
Calculation Currencies	USD	USD

# **Coin Metrics Bletchley Indexes (CMBI)**

A Division of Coin Metrics

### **Contact Us**

To learn more, visit: https://coinmetrics.io/cm-indexes/ **CMBI Services** cmbi@coinmetrics.io

**CMBI Services** customindex@coinmetrics.io

### Disclaimer

CMBI is a division of Coin Metrics, Inc, a cryptoasset data provider. Information displayed throughout this document has been curated for informational purposes only. No responsibility or liability can be accepted by any member of Coin Metrics or any third party licensee of CMBI for any loss or damage in part or in whole that relates to any error involved in procuring, compiling, calculating, analyzing, interpreting or delivering the information or data contained herein.

No member or associated partner of Coin Metrics provides investment advice and as such no information displayed in this document should be considered as an endorsement for an underlying asset, as investment advice or as constituting financial advice. Coin Metrics administered indexes cannot be invested in directly. Exposure to an asset represented in a CMBI Product may be available through an investable structured financial product that is offered by a third party licensee. Inclusion in an index should not be perceived or considered as a recommendation to buy, sell or hold an asset and a decision to invest in any such asset should not be made based off of any information contained herein. Coin Metrics does not sponsor, endorse or manage any investment product that seeks to provide an investment return based on the performance of any of the Coin Metrics Bletchley Indexes.

Information curated and displayed within this document should not be acted upon without the advice and guidance from licenced legal, tax and investment professionals.

None of the information contained herein is to be reproduced, used or distributed without prior written consent from Coin Metrics.

Past performance of any index is no guarantee or predictor of future results. Index returns displayed may not represent the results attainable from actually trading the underlying assets of the index. Performance of indexes prior to their respective launch date is back-tested performance and is hypothetical performance rather than actual performance. Back-tested performance utilizes the same methodology that was in effect when the index was officially launched.

coinmetrics.io | (/\lambda **AS OF OCTOBER 01, 2024**