

coinIX GmbH & Co KgaA

Germany | Technology | MCap EUR 8.3m

3 April 2024

UPDATE



Hidden reserves of EUR 5.1m realized; BUY

What's it all about?

coinIX announced the realization of hidden reserves of EUR 5.1m in the 2024 financial year through the transfer of liquid cryptocurrency holdings to the special fund coinIX COINVEST SCI1. The operational impact will remain minimal, as the same experienced team will continue to make the investment decisions. Transparency will be increased through the regular publication of the value of the special fund. We assume that the management fees of the special fund will be in line with those of coinIX, so that there will be no changes on the cost side, but additional income opportunities through the participation of further investors. Separately, one of coinIX's token projects, peaq, has announced a successful Series A funding round of USD 15m. This gives us confidence in the value potential of the as yet untraded token. We confirm our BUY recommendation with a new price target of EUR 4.00, which takes into account the tax payment on realized profits. coinIX remains the top choice for investors seeking exclusive access to a diversified blockchain portfolio.

BUY (BUY)

Target price	EUR 4.00 (4.27)
Current price	EUR 2.70
Up/downside	48.1%



MAIN AUTHOR

Dr. Oliver Wojahn, CFA

o.wojahn@mwb-research.com

+49 40 309 293-55

IMPORTANT. Please refer to the last page of this report for "Important disclosures" and analyst(s) certifications.

[mwb-research.com](https://www.mwb-research.com)

This research is the product of mwb research, which is registered with the BaFin in Germany.

coinIX GmbH & Co KgaA

Germany | Technology | MCap EUR 8.3m | EV EUR 8.1m

BUY (BUY)

Target price EUR 4.00 (4.27)
Current price EUR 2.70
Up/downside 48.1%

MAIN AUTHOR

Dr. Oliver Wojahn, CFA
o.wojahn@mwb-research.com
+49 40 309 293-55

Hidden reserves of EUR 5.1m realized; BUY

Hidden reserves of EUR 5.1m realized; BUY. coinIX has announced in a press release that the company has realized hidden reserves of EUR 5.1m, which will be recognized in profit or loss in the 2024 financial year. The profit was realized by transferring the holdings of liquid cryptocurrencies to the special fund coinIX COINVEST SCI1; in return, coinIX will receive corresponding fund shares, which are to remain in coinIX's portfolio in the long term. The fund assets will be managed by the same team that is making the investment decisions for coinIX. We assume that the profits from the realization of the hidden reserves will be taxed at a rate of 32.3%, whereby loss carryforwards from 2022 can still be applied.

What is changing - and what is not. Operationally, the transaction has no immediate impact on coinIX's business model, as the proven team will continue to make investment decisions in the same asset classes. The transparency of investment performance in liquid cryptocurrencies should increase as coinIX COINVEST SCI1 will regularly publish fund values. We assume that the management fees of the special fund will be in line with those of coinIX, i.e. an annual management fee of 2% on assets under management plus a performance fee of 20%. As the management fee of the special fund is offset against the management fee of coinIX, the only difference could be due to a lower high watermark in the special fund. In return, the new structure opens the possibility of raising funds from further professional and semi-professional investors in the special fund and thus generating additional income to ensure professional asset management in the long term. In addition, a monetary participation of coinIX in the growth of the special fund is planned, although no details have been disclosed.

- continued next page -

coinIX GmbH & Co KgaA	2020	2021	2022	2023P	2024E	2025E
Sales	0.0	0.0	0.0	0.0	0.0	0.0
EBITDA	-0.0	1.7	-0.2	0.8	4.3	0.8
EBIT	-0.1	1.7	-1.5	0.2	4.3	0.8
Net profit	-0.7	1.8	-1.3	0.0	2.9	0.5
Net debt (net cash)	-0.1	-0.8	-0.2	-0.6	-3.5	-4.1
Net debt/EBITDA	2.8x	-0.5x	1.1x	-0.7x	-0.8x	-5.0x
EPS reported	-0.29	0.63	-0.43	0.01	0.95	0.18
DPS	0.00	0.00	0.00	0.00	0.00	0.00
Dividend yield	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
ROCE	-5.7%	22.4%	-23.2%	2.4%	47.0%	8.3%
EV/EBITDA	-216.7x	4.4x	-39.5x	9.2x	1.1x	5.2x
EV/EBIT	-120.2x	4.4x	-5.3x	50.6x	1.1x	5.2x
PER	-9.2x	4.3x	-6.3x	218.2x	2.8x	15.2x

* coinIX is financed exclusively by equity. Source: Company data, mwb research

Note 1: German GAAP reporting is not very meaningful for an investment company.

Note 2: Estimates do not include any proceeds from divestments of equity stakes.



Source: Company data, mwb research

High/low 52 weeks 3.40 / 1.10
Price/Book Ratio 1.3x

Ticker / Symbols

ISIN DE000A2LQ1G5
WKN A2LQ1G
Bloomberg XCX:GR

Changes in estimates

		Sales	EBIT	EPS
2023P	old	0.0	0.2	0.01
	Δ	na%	0.0%	0.0%
2024E	old	0.0	0.6	0.16
	Δ	na%	618.8%	493.6%
2025E	old	0.0	0.8	0.22
	Δ	na%	0.0%	-17.4%

Key share data

Number of shares: (in m pcs) 3.07
Book value per share: (in EUR) 2.03
Ø trading vol.: (12 months) 1,055

Major shareholders

Free Float 100.0%

Company description

coinIX is a venture capital investment firm that invests in blockchain technology companies, tokens and cryptocurrencies.

Good news from peaq. In July 2022, coinIX invested in tokens from peaq, a project to develop a layer 1 for decentralized physical infrastructure networks (DePINs). peaq's existing projects include Silencio, an app for measuring noise with smartphones, and ELOOP, a token-based car sharing service using Teslas. peaq has now received USD 15m in a Series A financing round led by Generative Ventures and Borderless Capital, which will be used to further expand the ecosystem. The peaq tokens are not yet traded on the usual platforms, but the financing round with well-known blockchain investors gives confidence that the project will develop well.

BUY. An update of our NAV valuation model taking into account the tax payment and with current prices results in a new price target of EUR 4.00 (old: EUR 4.27). With a coinIX share, investors gain exclusive access to a broadly diversified portfolio along the entire blockchain value chain. We continue to recommend BUY.

Valuation

Portfolio coinIX					
Unternehmen / Company	Quelle / source	Buchwert book value (reported, EUR k)	Valuation base	Bewertungs- grundlage	aktueller Wert current value (eAR, EUR k)
Finexity AG	reported	275,0	estimate	Schätzung	700
Cadeia GmbH	reported	200,5	book value	Schätzung	100
Asvin GmbH	reported	250,0	book value	Buchwert	500
AdHash AG	reported	150,9	book value	Buchwert	150
Simetria Trading Solutions Ltd.	reported	125,0	book value	Schätzung	0
Pandora Core AG	reported	107,0	estimate	Schätzung	50
Blockpit GmbH	reported	104,9	Series A 07/21	Series A 07/21	300
Defyca Holdings Sarl	reported	102,1	book value	Buchwert	100
Natix GmbH	reported	200,0	book value	Schätzung	265
Kima (ehem. Diversifi)	reported	85,0	book value	Schätzung	300
Crypto Index Series Ltd.	reported	75,0	book value	Schätzung	75
XVA Blockchain GmbH	reported	63,5	book value	Schätzung	60
AllTokenFotball	reported	62,5	book value	Schätzung	0
Livin Media Ltd.	reported	56,0	book value	Schätzung	50
Blockchance UG	reported	45,3	book value	Schätzung	0
OURZ AG	reported	16,0	book value	Schätzung	0
Autonomy Labs Ltd.	reported	9,0	book value	Buchwert	10
Tokenforge	reported	100,0	book value	Buchwert	100
Summe Equity-Beteiligungen			TTL equity investments		2.760
EUR/USD	1,0777				
Token	Quelle / Source	Anz. / Number Token (k)	Preis / Price (USD)	Preis / Price (EUR)	Wert / Value (EUR k)
The Graph (GRT)	est.	11.625	0,3369	0,3126	3.634
Ethereum (ETH)	est.	1,300	3.317	3.078	4.001
Bitcoin (BTC)	est.	0,022	66.330	61.545	1.354
All other tokens & SAFT	est.				2.330
Summe Token-Projekte und Kryptowährungen			TTL token projects and cryptos		11.319
Cash (EUR k, Schätzung)			Cash (EUR k, est.)		150
Zeitwert der Vermögensgegenstände			Fair value of assets		14.229
-Managementgebühr 6 Jahre auf Equity			- management fee 6 years on equity		331
-Managementgebühr 2 Jahre auf Token			- management fee 2 years on tokens		453
-Managementgebühr 1 Jahr auf Cash			- management fee 1 year on cash		3
-Managementgebühr Erfolgsbeteiligung & Steuern			- outstanding profit participation & taxes		1.156
			NAV (EUR k)		12.286
3-Apr-24			NAV je Aktie / NAV per share (EUR)		4,00

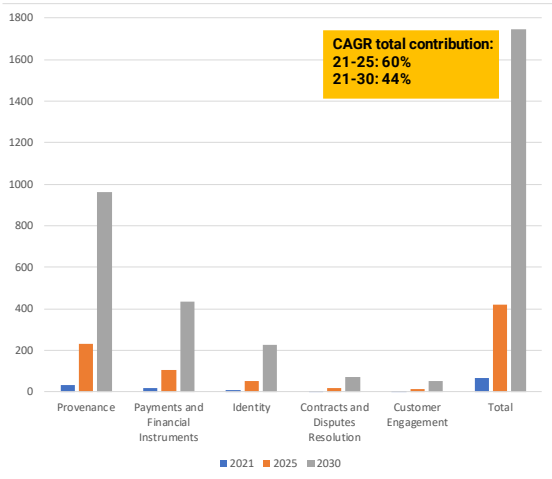
Source: Company data; mwb research

Investment case in five charts

Portfolio (excerpt)

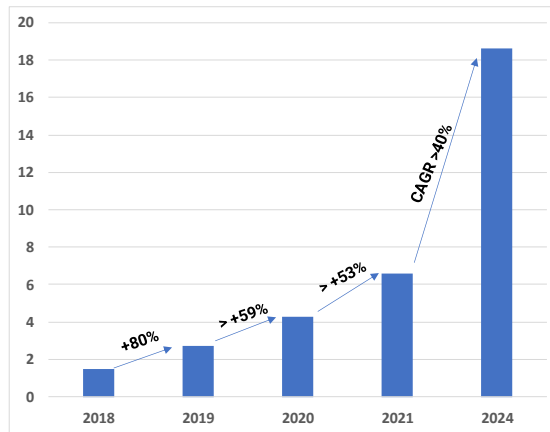


Blockchain's Economic Contributions (worldwide, USD bn)



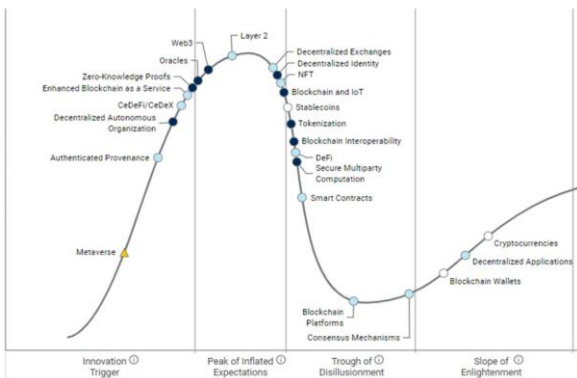
Source: PwC, Time for Trust, October 2020

Global Spending on Blockchain Solutions (USD bn)



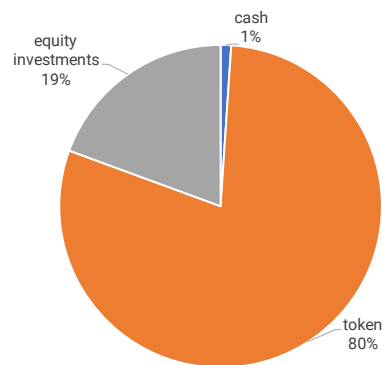
Source: IDC

Gartner Blockchain Hype Cycle



Source: Gartner (Juli 2022)

Portfolio allocation



Source: coinIX

Source: Company data, mwb research

SWOT analysis

Strengths

- Early mover with good track record
- Exclusive focus on blockchain; deep and complementary know-how in the team (including inhouse regulatory expertise)
- Network enables access to attractive pre-sales and seed rounds
- Flexibility in asset allocation and high diversification in cryptocurrencies, tokens and blockchain venture capital

Weaknesses

- Unusual legal form (GmbH & Co KGaA)
- Listing on the open market (Düsseldorf, Munich, Berlin) with low transparency and reporting requirements

Opportunities

- Enormous growth of the blockchain market and related investment opportunities
- Very high return potential with simultaneously high liquidity of cryptocurrencies and some tokens
- Generating recurring revenues through staking / delegating
- Eurocentric business model with clear regulatory framework

Risks

- Volatility of cryptocurrencies and token prices
- Stricter regulation of cryptocurrencies and accompanying higher regulatory requirements for coinIX

Financials

Attention: German GAAP reporting is not very meaningful for an investment company.

Profit and loss (EURm)	2020	2021	2022	2023P	2024E	2025E
Net sales	0.0	0.0	0.0	0.0	0.0	0.0
Change in finished goods and work-in-process	0.0	0.0	0.0	0.0	0.0	0.0
Total sales	0.0	0.0	0.0	0.0	0.0	0.0
Material expenses	0.0	0.0	0.0	0.0	0.0	0.0
Gross profit	0.0	0.0	0.0	0.0	0.0	0.0
Other operating income	0.3	4.1	0.6	1.3	5.1	1.6
Personnel expenses	0.0	0.0	0.0	0.0	0.0	0.0
Other operating expenses	0.3	2.4	0.8	0.5	0.8	0.8
EBITDA	-0.0	1.7	-0.2	0.8	4.3	0.8
Depreciation	0.0	0.0	0.0	0.0	0.0	0.0
EBITA	-0.1	1.7	-0.2	0.8	4.3	0.8
Amortisation of goodwill and intangible assets	0.0	0.0	1.3	0.7	0.0	0.0
EBIT	-0.1	1.7	-1.5	0.2	4.3	0.8
Financial result	0.0	0.5	0.0	0.0	0.0	0.0
Recurring pretax income from continuing operations	-0.1	2.2	-1.5	0.2	4.3	0.8
Extraordinary income/loss	-0.6	0.0	0.0	0.0	0.0	0.0
Earnings before taxes	-0.7	2.2	-1.5	0.2	4.3	0.8
Taxes	0.0	0.4	-0.2	0.1	1.4	0.3
Net income from continuing operations	-0.7	1.8	-1.3	0.0	2.9	0.5
Result from discontinued operations (net of tax)	0.0	0.0	0.0	0.0	0.0	0.0
Net income	-0.7	1.8	-1.3	0.0	2.9	0.5
Minority interest	0.0	-0.0	0.0	0.0	0.0	0.0
Net profit (reported)	-0.7	1.8	-1.3	0.0	2.9	0.5
Average number of shares	2.31	2.87	3.07	3.07	3.07	3.07
EPS reported	-0.29	0.63	-0.43	0.01	0.95	0.18

Balance sheet (EURm)	2020	2021	2022	2023P	2024E	2025E
Intangible assets (excl. Goodwill)	0.5	5.1	3.6	2.9	2.9	2.9
Goodwill	0.0	0.0	0.0	0.0	0.0	0.0
Property, plant and equipment	0.0	0.0	0.0	0.0	0.0	0.0
Financial assets	0.4	1.4	1.9	1.9	1.9	1.9
FIXED ASSETS	0.9	6.5	5.5	4.8	4.8	4.8
Inventories	0.0	0.0	0.0	0.0	0.0	0.0
Accounts receivable	0.0	0.0	0.0	0.0	0.0	0.0
Other current assets	0.3	0.4	0.9	0.9	0.9	0.9
Liquid assets	0.1	0.8	0.2	0.6	3.5	4.1
Deferred taxes	0.0	0.0	0.0	0.0	0.0	0.0
Deferred charges and prepaid expenses	0.0	0.0	0.0	0.0	0.0	0.0
CURRENT ASSETS	0.4	1.3	1.1	1.5	4.4	5.0
TOTAL ASSETS	1.3	7.8	6.6	6.3	9.2	9.7
SHAREHOLDERS EQUITY	1.2	7.0	6.2	6.3	9.2	9.7
MINORITY INTEREST	0.0	0.0	0.0	0.0	0.0	0.0
Long-term debt	0.0	0.0	0.0	0.0	0.0	0.0
Provisions for pensions and similar obligations	0.0	0.0	0.0	0.0	0.0	0.0
Other provisions	0.0	0.5	0.3	0.0	0.0	0.0
Non-current liabilities	0.0	0.5	0.3	0.0	0.0	0.0
short-term liabilities to banks	0.0	0.0	0.0	0.0	0.0	0.0
Accounts payable	0.1	0.2	0.0	0.0	0.0	0.0
Advance payments received on orders	0.0	0.0	0.0	0.0	0.0	0.0
Other liabilities (incl. from lease and rental contracts)	0.0	0.0	0.0	0.0	0.0	0.0
Deferred taxes	0.0	0.0	0.0	0.0	0.0	0.0
Deferred income	0.0	0.0	0.0	0.0	0.0	0.0
Current liabilities	0.1	0.2	0.0	0.0	0.0	0.0
TOTAL LIABILITIES AND SHAREHOLDERS EQUITY	1.3	7.8	6.6	6.3	9.2	9.7

Balance sheet (common size)	2020	2021	2022	2023P	2024E	2025E
Intangible assets (excl. Goodwill)	41%	66%	54%	46%	31%	30%
Goodwill	0%	0%	0%	0%	0%	0%
Property, plant and equipment	0%	0%	0%	0%	0%	0%
Financial assets	30%	17%	28%	30%	20%	19%
FIXED ASSETS	71%	84%	83%	76%	52%	49%
Inventories	0%	0%	0%	0%	0%	0%
Accounts receivable	0%	0%	0%	0%	0%	0%
Other current assets	21%	6%	14%	14%	10%	9%
Liquid assets	8%	11%	4%	10%	38%	42%
Deferred taxes	0%	0%	0%	0%	0%	0%
Deferred charges and prepaid expenses	0%	0%	0%	0%	0%	0%
CURRENT ASSETS	29%	16%	17%	24%	48%	51%
TOTAL ASSETS	100%	100%	100%	100%	100%	100%
SHAREHOLDERS EQUITY	91%	90%	95%	100%	100%	100%
MINORITY INTEREST	0%	0%	0%	0%	0%	0%
Long-term debt	0%	0%	0%	0%	0%	0%
Provisions for pensions and similar obligations	0%	0%	0%	0%	0%	0%
Other provisions	1%	7%	5%	0%	0%	0%
Non-current liabilities	1%	7%	5%	0%	0%	0%
short-term liabilities to banks	0%	0%	0%	0%	0%	0%
Accounts payable	8%	3%	1%	0%	0%	0%
Advance payments received on orders	0%	0%	0%	0%	0%	0%
Other liabilities (incl. from lease and rental contracts)	0%	0%	0%	0%	0%	0%
Deferred taxes	0%	0%	0%	0%	0%	0%
Deferred income	0%	0%	0%	0%	0%	0%
Current liabilities	8%	3%	1%	0%	0%	0%
TOTAL LIABILITIES AND SHAREHOLDERS EQUITY	100%	100%	100%	100%	100%	100%

Source: Company data; mwb research

Cash flow statement (EURm)	2020	2021	2022	2023P	2024E	2025E
Net profit/loss	0.0	1.8	-1.3	0.0	2.9	0.5
Depreciation of fixed assets (incl. leases)	0.0	0.0	0.0	0.0	0.0	0.0
Amortisation of goodwill	0.0	0.0	0.0	0.0	0.0	0.0
Amortisation of intangible assets	0.0	0.0	1.3	0.7	0.0	0.0
Others	0.0	-0.5	-0.7	-0.3	0.0	0.0
Cash flow from operations before changes in w/c	0.0	1.4	-0.8	0.4	2.9	0.5
Increase/decrease in inventory	0.0	0.0	0.0	0.0	0.0	0.0
Increase/decrease in accounts receivable	0.0	0.0	0.0	0.0	0.0	0.0
Increase/decrease in accounts payable	0.0	0.1	-0.2	-0.0	0.0	0.0
Increase/decrease in other w/c positions	0.0	-0.1	-0.4	0.0	0.0	0.0
Increase/decrease in working capital	0.0	-0.0	-0.6	-0.0	0.0	0.0
Cash flow from operating activities	0.0	1.3	-1.4	0.4	2.9	0.5
CAPEX	0.0	0.0	0.0	0.0	0.0	0.0
Payments for acquisitions	0.0	-3.5	0.0	0.0	0.0	0.0
Financial investments	0.0	0.0	0.0	0.0	0.0	0.0
Income from asset disposals	0.0	0.0	0.3	0.0	0.0	0.0
Cash flow from investing activities	0.0	-3.5	0.3	0.0	0.0	0.0
Cash flow before financing	0.0	-2.2	-1.1	0.4	2.9	0.5
Increase/decrease in debt position	0.0	0.0	0.0	0.0	0.0	0.0
Purchase of own shares	0.0	0.0	0.0	0.0	0.0	0.0
Capital measures	0.0	3.8	0.5	0.0	0.0	0.0
Dividends paid	0.0	0.0	0.0	0.0	0.0	0.0
Others	0.0	0.0	0.0	0.0	0.0	0.0
Effects of exchange rate changes on cash	0.0	0.0	0.0	0.0	0.0	0.0
Cash flow from financing activities	0.0	3.8	0.5	0.0	0.0	0.0
Increase/decrease in liquid assets	0.0	0.8	-0.6	0.4	2.9	0.5
Liquid assets at end of period	0.0	0.8	0.2	0.6	3.5	4.1

Source: Company data; mwb research

Ratios	2020	2021	2022	2023P	2024E	2025E
Per share data						
Earnings per share reported	-0.29	0.63	-0.43	0.01	0.95	0.18
Cash flow per share	0.00	0.46	-0.45	0.12	0.95	0.18
Book value per share	0.51	2.44	2.03	2.04	2.99	3.17
Dividend per share	0.00	0.00	0.00	0.00	0.00	0.00
Valuation						
P/E	-9.2x	4.3x	-6.3x	218.2x	2.8x	15.2x
P/CF	Infinityx	5.8x	-6.0x	22.9x	2.8x	15.2x
P/BV	5.3x	1.1x	1.3x	1.3x	0.9x	0.9x
Dividend yield (%)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
FCF yield (%)	0.0%	17.2%	-16.6%	4.4%	35.3%	6.6%
EV/EBITDA	-216.7x	4.4x	-39.5x	9.2x	1.1x	5.2x
EV/EBIT	-120.2x	4.4x	-5.3x	50.6x	1.1x	5.2x
Income statement (EURm)						
Sales	0.0	0.0	0.0	0.0	0.0	0.0
Gross profit	0.0	0.0	0.0	0.0	0.0	0.0
EBITDA	-0.0	1.7	-0.2	0.8	4.3	0.8
EBIT	-0.1	1.7	-1.5	0.2	4.3	0.8
Net profit	-0.7	1.8	-1.3	0.0	2.9	0.5
Cash flow statement (EURm)						
CF from operations	0.0	1.3	-1.4	0.4	2.9	0.5
Capex	0.0	0.0	0.0	0.0	0.0	0.0
Maintenance Capex	0.0	0.0	0.0	0.0	0.0	0.0
Free cash flow	0.0	1.3	-1.4	0.4	2.9	0.5
Balance sheet (EURm)						
Intangible assets	0.5	5.1	3.6	2.9	2.9	2.9
Tangible assets	0.0	0.0	0.0	0.0	0.0	0.0
Shareholders' equity	1.2	7.0	6.2	6.3	9.2	9.7
Pension provisions	0.0	0.0	0.0	0.0	0.0	0.0
Liabilities and provisions	0.0	0.5	0.3	0.0	0.0	0.0
Net financial debt	-0.1	-0.8	-0.2	-0.6	-3.5	-4.1
w/c requirements	-0.1	-0.2	-0.0	0.0	0.0	0.0
Ratios						
ROE	-57.7%	26.0%	-21.3%	0.6%	31.8%	5.6%
ROCE	-5.7%	22.4%	-23.2%	2.4%	47.0%	8.3%
Net gearing	-9.0%	-11.9%	-3.8%	-9.5%	-38.3%	-41.8%
Net debt / EBITDA	2.8x	-0.5x	1.1x	-0.7x	-0.8x	-5.0x

Source: Company data; mwb research

Conflicts of interest

Disclosures regarding research publications of mwb research AG pursuant to section 85 of the German Securities Trading Act (WpHG) and distributed in the UK under an EEA branch passport, subject to the FCA requirements on research recommendation disclosures. It is essential that any research recommendation is fairly presented and discloses interests of indicates relevant conflicts of interest. Pursuant to section 85 of the German Securities Trading Act (WpHG) a research report has to point out possible conflicts of interest in connection with the analyzed company. Further to this, under the FCA's rules on research recommendations, any conflicts of interest in connection with the recommendation must be disclosed. A conflict of interest is presumed to exist in particular if mwb research AG

- (1) or its affiliate(s) (either in its own right or as part of a consortium) within the past twelve months, acquired the financial instruments of the analyzed company,
- (2) has entered into an agreement on the production of the research report with the analyzed company,
- (3) or its affiliate(s) has, within the past twelve months, been party to an agreement on the provision of investment banking services with the analyzed company or have received services or a promise of services under the term of such an agreement,
- (4) or its affiliate(s) holds a) 5% or more of the share capital of the analyzed company, or b) the analyzed company holds 5% or more of the share capital of mwb research AG or its affiliate(s),
- (5) or its affiliate(s) holds a net long (a) or a net short (b) position of 0.5% of the outstanding share capital of the analyzed company or derivatives thereof,
- (6) or its affiliate(s) is a market maker or liquidity provider in the financial instruments of the issuer,
- (7) or the analyst has any other significant financial interests relating to the analyzed company such as, for example, exercising mandates in the interest of the analyzed company or a significant conflict of interest with respect to the issuer,
- (8) The research report has been made available to the company prior to its publication. Thereafter, only factual changes have been made to the report.

Conflicts of interest that existed at the time when this research report was published:

Company	Disclosure
coinIX GmbH & Co KgaA	2, 3, 8

Important disclosures

1. General Information/Liabilities This research report has been produced for the information purposes of institutional investors only, and is not in any way a personal recommendation, offer or solicitation to buy or sell the financial instruments mentioned herein. The document is confidential and is made available by mwb research AG, exclusively to selected recipients [in DE, GB, FR, CH, US, UK, Scandinavia, and Benelux or, in individual cases, also in other countries]. A distribution to private investors in the sense of the German Securities Trading Act (WpHG) is excluded. It is not allowed to pass the research report on to persons other than the intended recipient without the permission of mwb research AG. Reproduction of this document, in whole or in part, is not permitted without prior permission mwb research AG. All rights reserved. Under no circumstances shall mwb research AG, any of its employees involved in the preparation, have any liability for possible errors or incompleteness of the information included in this research report – neither in relation to indirect or direct nor consequential damages. Liability for damages arising either directly or as a consequence of the use of information, opinions and estimates is also excluded. Past performance of a financial instrument is not necessarily indicative of future performance.

2. Responsibilities This research report was prepared by the research analyst named on the front page (the "Producer"). The Producer is solely responsible for the views and estimates expressed in this report. The report has been prepared independently. The content of the research report was not influenced by the issuer of the analyzed financial instrument at any time. It may be possible that parts of the research report were handed out to the issuer for information purposes prior to the publication without any major amendments being made thereafter.

3. Organizational Requirements mwb research AG took internal organizational and regulative precautions to avoid or accordingly disclose possible conflicts of interest in connection with the preparation and distribution of the research report. All members of mwb research AG involved in the preparation of the research report are subject to internal compliance regulations. No part of the Producer's compensation is directly or indirectly related to the preparation of this financial analysis. In case a research analyst or a closely related person is confronted with a conflict of interest, the research analyst is restricted from covering this company.

4. Information Concerning the Methods of Valuation/Update The determination of the fair value per share, i.e. the price target, and the resultant rating is done on the basis of the adjusted free cash flow (adj. FCF) method and on the basis of the discounted cash flow – DCF model. Furthermore, a peer group comparison is made. The adj. FCF method is based on the assumption that investors purchase assets only at a price (enterprise value) at which the operating cash flow return after taxes on this investment exceeds their opportunity costs in the form of a hurdle rate. The operating cash flow is calculated as EBITDA less maintenance capex and taxes. Within the framework of the DCF approach, the future free cash flows are calculated initially on the basis of a fictitious capital structure of 100% equity, i.e. interest and repayments on debt capital are not factored in initially. The adjustment towards the actual capital structure is done by discounting the calculated free cash flows with the weighted average cost of capital (WACC), which takes into account both the cost of equity capital and the cost of debt. After discounting, the calculated total enterprise value is reduced by the interest-bearing debt capital in order to arrive at the equity value. Detailed information on the valuation principles and methods used and the underlying assumptions can be found at <https://www.mwb-research.com>.

mwb research AG uses the following three-step rating system for the analyzed companies:

- **Speculative (Spec.) BUY:** Sustainable upside potential of more than 25% within 12 months, above average risk
- **BUY:** Sustainable upside potential of more than 10% within 12 months
- **SELL:** Sustainable downside potential of more than 10% within 12 months.
- **HOLD:** Upside/downside potential is limited. No immediate catalyst visible.

NB: The ratings of mwb research AG are not based on a performance that is expected to be "relative" to the market.

The decision on the choice of the financial instruments analyzed in this document was solely made by mwb research AG. The opinions and estimates in this research report are subject to change without notice. It is within the discretion of mwb research AG whether and when it publishes an update to this research report, but in general updates are created on a regular basis, after 6 months at the latest. A sensitivity analysis is included and published in company's initial studies.

5. Date and time of first publication of this financial analysis
3-Apr-24 09:50:12

6. Risk information

- Stock exchange investments and investments in companies (shares) are always speculative and involve the risk of total loss.
- This is particularly true in respect of investments in companies which are not established and/or small and have no established business or corporate assets.
- Share prices may fluctuate significantly. This is particularly true for shares with low liquidity (market breadth). Even small orders can have a significant impact on the share price.
- In the case of shares in narrow markets, it may also happen that there is no or very little actual trading there and that published prices are not based on actual trading but have only been provided by a stockbroker.
- In such markets a shareholder cannot expect to find a buyer for his shares at all and/or at reasonable prices. In such narrow markets there is a very high possibility of manipulating prices and in such markets there are often considerable price fluctuations.
- An investment in shares with low liquidity and low market capitalization is therefore highly speculative and represents a very high risk.
- There is no regulated market for unlisted shares and securities and a sale is not possible or only possible on an individual basis.

7. Major Sources of Information Part of the information required for this research report was made available by the issuer of the financial instrument. Furthermore, this report is based on publicly available sources (such as, for example, Bloomberg, Reuters, VWD-Trader and the relevant daily press) believed to be reliable. mwb research AG has checked the information for plausibility but not for accuracy or completeness.

8. Competent Supervisory Authority mwb research AG are under supervision of the BaFin – German Federal Financial Supervisory Authority (Bundesanstalt für Finanzdienstleistungsaufsicht), Graurheindorfer Straße 108, 53117 Bonn and Marie-Curie-Straße 24 – 28, 60439 Frankfurt a.M. This document is distributed in the UK under a MiFID EEA branch passport and in compliance with the applicable FCA requirements.

9. Specific Comments for Recipients Outside of Germany This research report is subject to the law of the Federal Republic of Germany. The distribution of this information to other states in particular to the USA, Canada, Australia and Japan may be restricted or prohibited by the laws applicable within this state.

10. Miscellaneous According to Article 4(1) No. i of the delegated regulation 2016/958 supplementing regulation 596/2014 of the European Parliament, further information regarding investment recommendations of the last 12 months are published free of charge under <https://www.mwb-research.com>.

Contacts

mwb research AG
Mittelweg 142
20148 Hamburg
Germany

Tel.: +49 40 309 293-52
Email.: contact@mwb-research.com
Website: www.mwb-research.com
Research: www.research-hub.de

Research

HARALD HOF
Senior Analyst
Tel: +49 40 309 293-53
E-Mail: h.hof@mwb-research.com

LEON MÜHLENBRUCH
Analyst
Tel: +49 40 309 293-57
E-Mail: l.muehlenbruch@mwb-research.com

ABED JARAD
Junior Analyst
Tel: +49 40 309 293-54
E-Mail: a.jarad@mwb-research.com

THOMAS WISSLER
Senior Analyst
Tel: +49 40 309 293-58
E-Mail: t.wissler@mwb-research.com

DR. OLIVER WOJAHN, CFA
Senior Analyst
Tel: +49 40 309 293-55
E-Mail: o.wojahn@mwb-research.com

ALEXANDER ZIENKOWICZ
Senior Analyst
Tel: +49 40 309 293-56
E-Mail: a.zienkowicz@mwb-research.com

Sales

HOLGER NASS
Head of Sales
Tel: +49 40 309 293-52
E-Mail: h.nass@mwb-research.com

Team Assistant

HANNAH GABERT
Team Assistant
Tel: +49 40 309 293-52
E-Mail: h.gabert@mwb-research.com

mwb fairtrade
Wertpapierhandelsbank AG
Rottenbacher Straße 28
82166 Gräfelfing

Tel: +49 89 85852-0
Fax: +49 89 85852-505
Website: www.mwbfairtrade.com
E-Mail: info@mwbfairtrade.com

Sales / Designated Sponsoring / Corporate Finance

ALEXANDER DEUSS
Institutional Sales
Tel: +49 40 36 0995-22
E-Mail: adeuss@mwbfairtrade.com

SASCHA GUENON
Head of Designated Sponsoring
Tel: +49 40 360 995-23
E-Mail: sguenon@mwbfairtrade.com

JAN NEYNABER
Institutional Sales
Tel: +49 69 1387-1255
E-Mail: jneynaber@mwbfairtrade.com

DIRK WEYERHÄUSER
Corporate Finance
Tel: +49 69 1387-1250
E-Mail: dweyerhaeuser@mwbfairtrade.com

Locations

HAMBURG (Research)
Mittelweg 142
20148 Hamburg
+49 40 309 293-52

HAMBURG (Corporates & Markets)
Kleine Johannisstraße 4
20457 Hamburg
+49 40 360 995-0

FRANKFURT A.M.
Unterlindau 29
60323 Frankfurt am Main
+49 40 360 995-22

MUNICH
Rottenbacher Str. 28
82166 Gräfelfing
+49 89-85852-0

BERLIN
Kurfürstendamm 151
10709 Berlin

HANNOVER
An der Börse 2
30159 Hannover

Our research can be found at

ResearchHub
Bloomberg
FactSet
Thomson Reuters / Refinitiv
CapitalIQ

www.research-hub.de
www.bloomberg.com
www.factset.com
www.refinitiv.com
www.capitaliq.com