BlueStar® Machine Learning and Quantum Computing Index

The BlueStar® Machine Learning and Quantum Computing Index (BQTUM) tracks the performance of the largest and most liquid companies in the global quantum computing and machine learning industries. This is a modified market cap-weighted index, and only includes companies that generate at least 50% of their revenue from products and services related to quantum computing or machine learning, such as the development or use of quantum computers or computing chips, superconducting materials, applications built on quantum computers, embedded artificial intelligence chips, or software that specialize in the perception, collection, visualization, or management of big data.

Key Features

Size and Liquidity Requirements
Full MCap of at least 150 mln USD. Three months average-daily-trading volume of at least 1 mln USD at a review and also at the previous two reviews. At least 250,000 shares traded per month over the last six months at a review and also at the previous two reviews.

Universe
Companies have to offer products or services related to quantum computing or machine learning technology.

Diversification
Companies are equally weighted.

Review
Semi-annual in June and December.

	All Time High/Low	52-Week High/Low
Total Return Net Index	523.09/87.19	523.09/359.32

Index Data

INDEX PARAMETERS

Launch Date	07 Jun 2018	**Components**		68
Type	Sector	**Volatility** (250 days)		17.27
Currency	USD	**Full MCap** bn USD		11,203.09
Base Date	18 Dec 2015	**Float MCap** bn USD		9,135.61
Base Value	100.00	**Correlation*** (250 days)		0.14

* Indxx Global Robotics & Artificial Intelligence Thematic

FUNDAMENTALS*

Price/Earnings Trailing	67.49
Price/Book	3.46
Price/Sales	2.76
Price/Cash Flow	14.90
Dividend Yield	1.23

* as of 31 Mar 2024

ANNUALISED PERFORMANCE*

1 Month	-1.80%
1 Year	33.79%
3 Years	6.98%
5 Years	19.58%
7 Years	21.55%

* Total Return Net Index

Country and Size Weightings

Country	Count	Weight
United States	37	57.42%
Japan	9	13.93%
Netherlands	6	8.28%
Taiwan	4	5.57%
Cayman Islands	4	4.08%
Israel	1	1.51%
Italy	1	1.46%
Finland	1	1.43%
Switzerland	1	1.40%
India	1	1.40%
Ireland	1	1.22%
France	1	1.17%
Others	1	1.13%

US
JP
NL
TW
KY
IL
IT
FI
CH
IN
IE
FR
Others

Large-Cap
Mid-Cap
Small-Cap
Micro-Cap
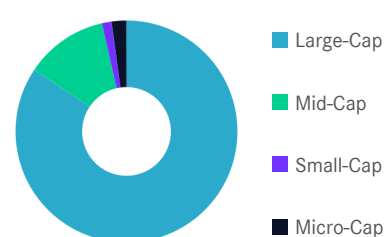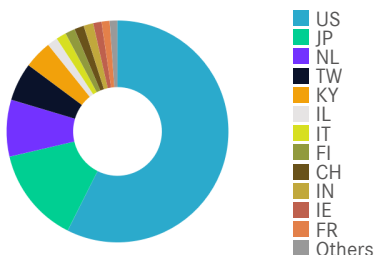
Size	Count	Weight
Large-Cap (> 6 bn)	56	84.39%
Mid-Cap (1.5 bn - 6 bn)	9	12.04%
Small-Cap (0.2 bn - 1.5 bn)	1	1.41%
Micro-Cap (0.0 bn - 0.2 bn)	2	2.16%

BlueStar® Machine Learning and Quantum Computing Index

Sector Weightings

Sector	Count	Weight
Information Technology	52	78.59%
Industrials	9	12.51%
Communication Services	5	6.34%
Materials	1	1.30%
Consumer Discretionary	1	1.25%

- Information Technology
- Industrials
- Communication Services
- Materials
- Consumer Discretionary
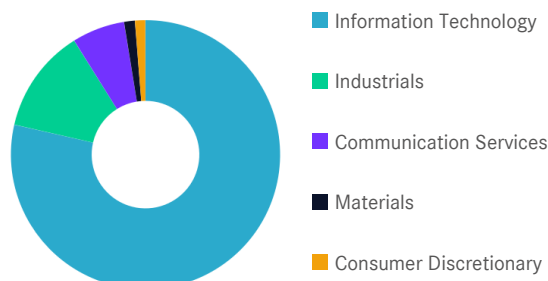
Index Components

Top Components by Weight	Country	Weight
MICROSTRATEGY INC-CL A	US	3.67%
SOCIONEXT INC	JP	2.35%
NVIDIA CORP	US	2.30%
MICRON TECHNOLOGY INC	US	2.06%
MKS INSTRUMENTS INC	US	1.94%
TAIWAN SEMICONDUCTOR-SP ADR	TW	1.82%
COHERENT CORP	US	1.81%
ADVANCED MICRO DEVICES	US	1.79%
MARVELL TECHNOLOGY INC	US	1.78%
APPLIED MATERIALS INC	US	1.78%
ASML HOLDING NV-NY REG SHS	NL	1.76%
LAM RESEARCH CORP	US	1.72%
Subtotal		**24.79%**

Best Performing Components	YTD	1 Day
ARQIT QUANTUM INC	21.52%	9.71%
INFINEON TECHNOLOGIES AG	-11.86%	3.80%
ANALOG DEVICES INC	3.29%	3.78%
MITSUBISHI ELECTRIC CORP	18.47%	3.52%
ON SEMICONDUCTOR CORPORATION	-15.07%	3.19%

Worst Performing Components	YTD	1 Day
MICROSTRATEGY INC-CL A	128.15%	-4.76%
ALCHIP TECHNOLOGIES LTD	-11.87%	-4.10%
AIRBUS SE	15.80%	-3.40%
BOOZ ALLEN HAMILTON HOLDING CORP	12.58%	-2.59%
NVIDIA CORP	72.36%	-2.04%

Symbols

	Symbol	ISIN	WKN	Sedol	Bloomberg	Reuters	Telekurs
Price Index	BQTUM	DE000SL0FUQ7	SL0FUQ	BQ0GS05	BQTUM	.BQTUM	118655363
Total Return Net	BQTUMNTR	DE000SL0FUR5	SL0FUR	BQ0GS16	BQTUMNTR	.BQTUMNTR	118655364
Total Return Gross	BQTUMTR	DE000SLA5JF2	SLA5JF	BMGR4X9	BQTUMTR	.BQTUMTR	42196303

For further information visit www.marketvector.com