MarketVector™ Indexes

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

Index		
	557.13/87.19	557.13/371.80

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.

Index Data

INDEX PARAMETERS					FUNDAMENTALS*		ANNUALISED PERFORMANCE*	
Launch Date	07 Jun 2018	**Components**		70	Price/Earnings Trailing	76.08	1 Month	2.88%
Type	Sector	**Volatility** (250 days)		19.73	Price/Book	3.32	1 Year	13.08%
Currency	USD	**Full MCap** bn USD		11,108.05	Price/Sales	2.65	3 Years	2.82%
Base Date	18 Dec 2015	**Float MCap** bn USD		9,067.48	Price/Cash Flow	13.87	5 Years	17.18%
Base Value	100.00	**Correlation*** (250 days)		0.24	Dividend Yield	1.23	7 Years	19.76%

* Indxx Global Robotics & Artificial Intelligence Thematic

* as of 31 Jul 2024

* Total Return Net Index

Sector Weightings

Sector	Count	Weight
Information Technology	54	73.98%
Industrials	9	14.69%
Communication Services	5	8.10%
Consumer Discretionary	1	1.64%
Health Care	1	1.59%

- Information Technology
- Industrials
- Communication Services
- Consumer Discretionary
- Health Care
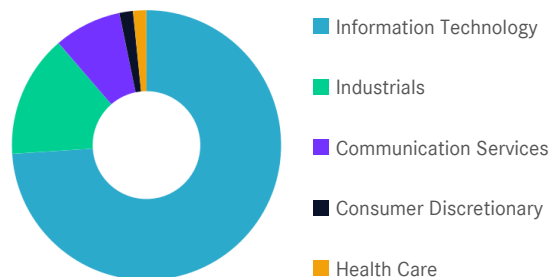
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Country and Size Weightings

Country	Count	Weight
United States	40	55.14%
Japan	8	12.88%
Netherlands	6	7.48%
Taiwan	4	5.62%
Cayman Islands	3	4.41%
Ireland	1	1.88%
France	1	1.83%
India	1	1.77%
Finland	1	1.76%
Israel	1	1.64%
Italy	1	1.59%
Switzerland	1	1.46%
Others	2	2.54%

Legend (left donut): US, JP, NL, TW, KY, IE, FR, IN, FI, IL, IT, CH, Others

Legend (right donut): Large-Cap, Mid-Cap, Small-Cap, Micro-Cap
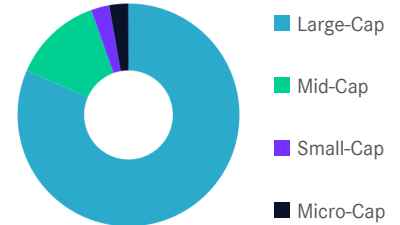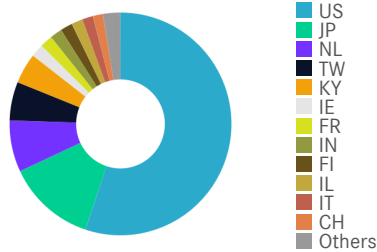
Size	Count	Weight
Large-Cap (> 6 bn)	56	81.55%
Mid-Cap (1.5 bn - 6 bn)	10	12.98%
Small-Cap (0.2 bn - 1.5 bn)	2	2.68%
Micro-Cap (0.0 bn - 0.2 bn)	2	2.79%

Index Components

Top Components by Weight	Country	Weight
FUJITSU LTD ORD	JP	1.99%
LOCKHEED MARTIN CORP	US	1.95%
NORTHROP GRUMMAN CORP	US	1.90%
ACCENTURE PLC-CL A	IE	1.88%
INTERNATIONAL BUSINESS MACHINES CORP	US	1.87%
ORANGE S.A.	FR	1.83%
NIPPON TELEGRAPH & TELEPHONE ORD	JP	1.81%
WIPRO LTD-ADR	IN	1.77%
ROYAL KPN NV	NL	1.76%
NEC CORP ORD	JP	1.76%
NOKIA CORP-SPON ADR	FI	1.76%
ASUSTEK COMPUTER INC	TW	1.75%
Subtotal		22.04%

Best Performing Components	YTD	1 Day
ALCHIP TECHNOLOGIES LTD	-28.69%	4.40%
GLOBAL UNICHIP CORP	-43.16%	4.10%
MEDIATEK	13.75%	3.70%
NTT DATA GROUP CO	15.77%	2.71%
ASUSTEK COMPUTER INC	7.13%	1.69%

Worst Performing Components	YTD	1 Day
COHERENT CORP	57.45%	-7.70%
RIGETTI COMPUTING INC	-23.48%	-5.80%
ONTO INNOVATION INC	15.96%	-5.52%
ASML HOLDING NV-NY REG SHS	-0.07%	-5.38%
MARVELL TECHNOLOGY INC	10.06%	-5.28%

Symbols

	Symbol	ISIN	WKN	Sedol	Bloomberg	Reuters	Telekurs
Price Return	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

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For further information visit www.marketvector.com