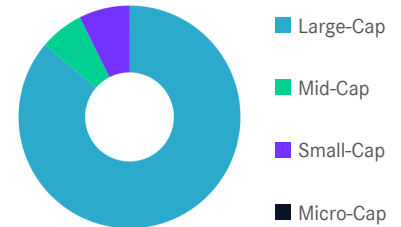
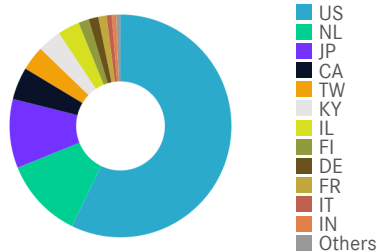


MarketVector™ Quantum Computing Ecosystem Index

Country and Size Weightings

Country	Count	Weight
United States	28	57.21%
Netherlands	5	11.67%
Japan	6	10.01%
Canada	3	4.73%
Taiwan	2	3.58%
Cayman Islands	3	3.46%
Israel	1	3.18%
Finland	1	1.52%
Germany	1	1.43%
France	1	1.20%
Italy	1	0.76%
India	1	0.63%
Others	1	0.62%



Size	Count	Weight
Large-Cap (> 6 bn)	46	86.27%
Mid-Cap (1.5 bn - 6 bn)	4	6.35%
Small-Cap (0.2 bn - 1.5 bn)	4	7.39%
Micro-Cap (0.0 bn - 0.2 bn)	0	0.00%

Index Components

Top Components by Weight	Country	Weight	Best Performing Components	YTD	1 Day
FORMFACTOR INC	US	5.15%	INTEL CORP	123.69%	23.60%
INTEL CORP	US	4.24%	QUALCOMM INC	-12.41%	11.12%
ONTO INNOVATION INC	US	3.72%	SYNOPSYS INC	6.62%	9.62%
STMICROELECTRONICS NV-NY SHS	NL	3.70%	KLA CORP	59.45%	6.59%
MKS INSTRUMENTS INC	US	3.33%	BAIDU INC - SPON ADR	-1.49%	5.91%
ASM INTERNATIONAL NV	NL	3.22%			
TOWER SEMICONDUCTOR LTD	IL	3.18%			
APPLIED MATERIALS INC	US	3.08%	Worst Performing Components	YTD	1 Day
LAM RESEARCH CORP	US	2.94%	D-WAVE QUANTUM INC	-29.29%	-4.25%
KLA CORP	US	2.94%	BLACKBERRY LTD	33.80%	-4.09%
TOKYO ELECTRON LTD ORD	JP	2.74%	LOCKHEED MARTIN CORP	6.70%	-3.08%
TAIWAN SEMICONDUCTOR-SP ADR	TW	2.63%	RTX CORPORATION	-4.67%	-2.81%
Subtotal		40.88%	IONQ INC	-4.86%	-2.15%

Symbols

	Symbol	ISIN	WKN	Sedol	Bloomberg	Reuters	Telekurs
Price Return	MVQCE	DE000SL0TTS6	SL0TTS	BWKD0C4	MVQCE	.MVQCE	155056318
Total Return Net	MVQCETR	DE000SL0TTT4	SL0TTT	BWKD0D5	MVQCETR	.MVQCETR	155056324
Total Return Gross	-	-	-	-	-	-	-

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For further information visit www.marketvector.com

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