



---

First Trust AlphaDEX™ U.S. Technology Sector Index  
ETF • FHQ, FHQ.F

---

Annual Management Report of Fund Performance  
December 31, 2022

(Page intentionally left blank)

**ANNUAL MANAGEMENT REPORT OF FUND PERFORMANCE**  
**December 31, 2022**

**First Trust AlphaDEX™ U.S. Technology Sector Index ETF**  
**(the “First Trust ETF”)**

This annual management report of fund performance contains financial highlights but does not contain the complete audited annual financial statements of the First Trust ETF. All references to dollars contained herein are to Canadian dollars.

Securityholders may also contact us to request a copy of the First Trust ETF’s proxy voting policies and procedures, proxy voting disclosure record, or quarterly portfolio disclosures relating to the First Trust ETF by calling 1-877-622-5552, by writing to us at FT Portfolios Canada Co., 40 King Street West, Suite 5102, Scotia Plaza, Box 312, Toronto, Ontario M5H 3Y2 or by visiting our website at [www.firsttrust.ca](http://www.firsttrust.ca) or SEDAR at [www.sedar.com](http://www.sedar.com).

**Forward-looking Statements**

This document may contain forward-looking statements relating to anticipated future events, results, circumstances, performance or expectations that are not historical facts but instead represent beliefs regarding future events. By their nature, forward-looking statements are based on assumptions and are subject to inherent risks and uncertainties. There is significant risk that forward-looking statements will not prove to be accurate. Readers of this document should not place undue reliance on forward-looking statements as a number of factors could cause actual future results, conditions, actions or events to differ materially from the expectations, estimates or intentions expressed or implied in the forward-looking statements. These factors include but are not limited to market and general economic conditions, interest rates, foreign currency exchange rates, the extent of industry sector exposure, the performance of the securities of the issuers held in the portfolio and regulatory developments and the risks detailed in the First Trust ETF’s prospectus. The Manager does not undertake and specifically disclaims any intention or obligation to update or revise any forward-looking statements, whether as a result of new information, future events or otherwise.

---

# First Trust AlphaDEX™ U.S. Technology Sector Index ETF

## Management Report of Fund Performance

### For the year ended December 31, 2022

---

#### **Investment Objective and Strategy**

The fundamental investment objective of **First Trust AlphaDEX™ U.S. Technology Sector Index ETF** (the “First Trust ETF”) is to replicate, to the extent possible, the performance of the StrataQuant® Technology Index (“Index”), net of expenses.

The investment strategy of the First Trust ETF is to invest in and hold the constituent securities of the Index in the same proportion as they are reflected in the Index or securities intended to replicate the performance of such Index. The Index results from applying the AlphaDEX™ methodology to the Russell 1000® Index, a market index representing the large and mid-capitalization segment of the U.S. equity universe, and then selecting the constituent securities for the Index from those qualifying stocks included in the Technology Sector.

The Manager may use a sampling methodology in selecting investments for the First Trust ETF. As an alternative or in conjunction with investing in and holding constituent securities, the First Trust ETF may also invest in other securities to obtain exposure to the constituent securities of the applicable Index in a manner that is consistent with the investment objective and investment strategy of the First Trust ETF.

In this case, the First Trust ETF may also obtain exposure to the applicable Index by holding securities of a US-listed index ETF, First Trust Technology AlphaDEX® Fund (NYSE Arca ticker: FXL), of an affiliate of the Manager, which replicates or substantially replicates the applicable Index.

#### **Risk**

The risks associated with an investment in the First Trust ETF remain as discussed in the First Trust ETF’s most recent prospectus. There have been no significant changes during the reporting period that affected the overall level of risk associated with the First Trust ETF. The First Trust ETF provides exposure to the technology sector of the U.S. equity market in either a non-U.S. currency hedged and U.S. currency hedged manner.

#### **Results of Operations**

##### **General**

The First Trust ETF’s total net asset value as of December 31, 2022, was \$32,881,804 or \$59.13 per Unit (“FHQ”) and \$33.16 per Hedged Unit (“FHQ.F”). The First Trust ETF’s total net asset value as of December 31, 2021, was \$69,470,559 or \$79.66 per FHQ and \$48.62 per FHQ.F.

For the year ended December 31, 2022, the First Trust ETF paid total cash distributions per unit of \$0.8472 for FHQ and \$0.4803 for FHQ.F.

##### **Investment Performance**

For the year ended December 31, 2022, FHQ returned -25.77% compared to the Russell 1000® Technology Index (CAD) (the “benchmark”) total return of -29.86% while FHQ.F returned -31.79% compared to the Russell 1000® Technology Index (USD) (the “hedged benchmark”) total return of -34.61%. Unlike the benchmark and the hedged benchmark, the First Trust ETF’s returns are net of fees and expenses.

As of December 31, 2022, the Technology sector accounted for 24.14% of the weight of the Russell 1000® Index. The benchmark underperformed the Russell 1000® Index (CAD) which returned -13.25%. The hedged benchmark underperformed the Russell 1000® Index (USD) which returned -19.13%.

The portfolio held 99 equity securities as of December 31, 2022. The top ten equity holdings accounted for 18.97% of the total NAV. The AlphaDEX™ stock selection process is a rules-based process and can result in industry weightings that differ from that of the benchmark and the hedged benchmark.

The First Trust ETF outperformed the benchmark and the hedged benchmark during the year due to stock selection, particularly within the Software and Computer Services and Technology Hardware and Equipment industries. On an

---

# First Trust AlphaDEX™ U.S. Technology Sector Index ETF

## Management Report of Fund Performance

### For the year ended December 31, 2022

---

absolute basis, the Technology sector performed poorly during the period due to a higher interest rate environment and softening demand.

The U.S. dollar appreciated 6.96% against the Canadian dollar from December 31, 2021 to December 31, 2022. FHQ.F hedges its exposure to the U.S. dollar.

The top five stocks by contribution to return were Vertiv Holdings Co, Science Applications International Corporation, Amdocs Limited, Switch, Inc., and CDK Global, Inc. The bottom five stocks by contribution to return were Advanced Micro Devices, Inc., Western Digital Corporation, Cloudflare, Inc., EPAM Systems, Inc., and IAC Inc.

#### ***Recent Developments***

The Russell 1000® Index lost 19.13% in 2022, including dividends, only its second annual loss since 2008. The U.S. dollar appreciated significantly relative to the Canadian dollar, meaning the index lost 13.25% over the same year measured in Canadian dollars. Inflation rose in the first half of the year, peaking at 9.1% in June, which was the highest rate since 1981. The U.S. Federal Reserve (the “Fed”) responded by raising interest rates more aggressively than expected at the beginning of the year. In total, the Fed raised its target federal funds rate by 4.25% during the year. The year-over-year inflation rate slowed in the second half of the year, falling for six consecutive months and settling at 6.5%. The Fed’s aggressive interest rate hikes, its first hiking campaign since 2018, increased the likelihood that the U.S. economy will enter a recession in the near term. Meanwhile, the U.S. 10-year Treasury yield increased from 1.51% at the start of the year to 3.87% at the end of the year. The combined headwinds of rising interest rates and weakening economic outlook were two of the significant factors causing the selloff in stocks during the year. Investors also turned increasingly bearish during the year, with surveys of investor bearishness reaching their highest levels since 2009. Defensive stocks like utilities, consumer staples, and health care performed relatively well during the year, while cyclical stocks, including consumer discretionary, performed relatively poorly. High-valuation growth stocks, particularly from the information technology and communication services sectors, were hammered by rising interest rates and softening demand and underperformed in 2022. The energy sector was the best-performing sector in 2022 by far, buoyed in part by rising energy prices, particularly in the first half of the year. Overall, the Russell 1000® Index finished the year trading at a 19.1 P/E multiple with a 1.74% dividend yield, cheaper than 25.6 and 1.25%, respectively, at the end of 2021.

#### **Related Party Transactions**

FT Portfolios Canada Co. is the Manager of the First Trust ETF and is a Canadian affiliate of First Trust Advisors L.P., the investment advisor (the “Advisor”) of the First Trust ETF.

Pursuant to terms of the declaration of trust of the First Trust ETF, the Manager provides or arranges for all management, administrative and other services required by the First Trust ETF. The Manager receives a management fee from the First Trust ETF. For further details, please see “Management Fees”.

The Manager has retained the Advisor to provide certain services to the First Trust ETF pursuant to an investment advisory agreement. The Advisor receives advisory fees from the Manager out of the management fee.

First Trust AlphaDEX™ U.S. Technology Sector Index ETF  
Management Report of Fund Performance  
For the year ended December 31, 2022

**Financial Highlights**

The following tables show selected key financial information about the First Trust ETF and are intended to help you understand the First Trust ETF's financial performance for the years ended December 31. This information is derived from the First Trust ETF's audited annual financial statements.

**Net Asset Value per Unit**

FHQ	2022	2021	2020	2019	2018
Net asset value, beginning of year <sup>(1)</sup>	\$79.66	\$68.80	\$45.91	\$35.12	\$31.89
Increase (Decrease) from operations:					
Total revenue	0.54	1.64	0.74	0.40	0.32
Total expenses	(0.66)	(0.68)	(0.49)	(0.40)	(0.34)
Realized gains (losses) for the year	(8.54)	23.42	10.80	6.57	4.56
Unrealized gains (losses) for the year	(11.82)	(12.56)	13.65	4.31	(2.82)
Total increase (decrease) from operations <sup>(2)</sup>	\$(20.48)	\$11.82	\$24.70	\$10.88	\$1.72
Distributions:					
From income (excluding dividends)	-	(0.97)	(0.31)	(0.01)	-
From dividends	-	-	-	-	-
From capital gains	-	(15.67)	(5.56)	(4.38)	(3.54)
Return of capital	-	-	-	-	-
Total annual distributions <sup>(3)</sup>	\$ -	\$(16.64)	\$(5.87)	\$(4.39)	\$(3.54)
Net asset value, end of year <sup>(4)</sup>	\$59.13	\$79.66	\$68.80	\$45.91	\$35.12

FHQ.F	2022	2021	2020	2019	2018
Net asset value, beginning of year <sup>(1)</sup>	\$48.62	\$41.97	\$27.90	\$20.56	\$20.49
Increase (Decrease) from operations:					
Total revenue	0.33	0.98	0.49	0.25	0.30
Total expenses	(0.38)	(0.42)	(0.29)	(0.24)	(0.22)
Realized gains (losses) for the year	(7.26)	15.75	7.81	4.32	0.31
Unrealized gains (losses) for the year	(9.52)	(7.93)	7.71	2.78	(4.76)
Total increase (decrease) from operations <sup>(2)</sup>	\$(16.83)	\$8.38	\$15.72	\$7.11	\$(4.37)
Distributions:					
From income (excluding dividends)	-	(0.56)	(0.17)	(0.01)	-
From dividends	-	-	-	-	-
From capital gains	-	(5.02)	(2.67)	(2.64)	(0.16)
Return of capital	-	-	-	-	-
Total annual distributions <sup>(3)</sup>	\$ -	\$(5.58)	\$(2.84)	\$(2.65)	\$(0.16)
Net asset value, end of year <sup>(4)</sup>	\$33.16	\$48.62	\$41.97	\$27.90	\$20.56

(1) This information is provided as at December 31 of the years shown and is prepared under IFRS.

(2) Net asset value and distributions are based on the actual number of units outstanding at the relevant time. The increase/decrease from operations is based on the weighted average number of units outstanding over the year.

(3) Distributions were paid in cash or reinvested in additional units of the First Trust ETF, or both. Non-cash distributions are reinvested in additional units of the First Trust ETF and subsequently consolidated. Neither the number of units held by the unitholder, nor the net asset per unit of the First Trust ETF change as a result of any non-cash distributions.

(4) This table is not intended to be a reconciliation of beginning to ending net asset value per unit.

First Trust AlphaDEX™ U.S. Technology Sector Index ETF  
Management Report of Fund Performance  
For the year ended December 31, 2022

**Ratios and Supplemental Data**

FHQ	2022	2021	2020	2019	2018
Net asset value (000's)	\$29,566	\$59,748	\$58,481	\$34,431	\$35,122
Number of units outstanding	500,000	750,000	850,000	750,000	1,000,000
Management expense ratio <sup>(1)</sup>	0.78%	0.78%	0.77%	0.78%	0.77%
Management expense ratio before waivers or absorption	0.79%	0.79%	0.79%	0.80%	0.79%
Trading expense ratio <sup>(2)</sup>	0.05%	0.03%	0.04%	0.04%	0.04%
Portfolio turnover rate <sup>(3)</sup>	122.39%	159.79%	146.18%	179.99%	158.63%

FHQ.F	2022	2021	2020	2019	2018
Net asset value (000's)	\$3,316	\$9,723	\$6,296	\$2,790	\$6,169
Number of units outstanding	100,000	200,000	150,000	100,000	300,000
Management expense ratio <sup>(1)</sup>	0.76%	0.78%	0.77%	0.79%	0.79%
Management expense ratio before waivers or absorption	0.77%	0.80%	0.79%	0.81%	0.80%
Trading expense ratio <sup>(2)</sup>	0.05%	0.03%	0.04%	0.04%	0.04%
Portfolio turnover rate <sup>(3)</sup>	122.39%	159.79%	146.18%	179.99%	158.63%

(1) Management expense ratio is based on total expenses (excluding commissions and other portfolio transaction costs) for the stated year and is expressed as an annualized percentage of daily average net asset value during the year.

(2) The trading expense ratio represents total commissions and other portfolio transaction costs expressed as an annualized percentage of daily average net asset value during the year.

(3) The First Trust ETF's portfolio turnover rate indicates how actively the First Trust ETF's portfolio advisor manages its portfolio investments. A portfolio turnover rate of 100% is equivalent to the First Trust ETF buying and selling all of the securities in its portfolio once in the course of the year. The higher a First Trust ETF's portfolio turnover rate in a year, the greater the trading cost payable by the First Trust ETF in the year, and the greater the chance of an investor receiving taxable capital gains in the year. There is not necessarily a relationship between high turnover rate and the performance of a First Trust ETF.

**Management Fees**

The First Trust ETF will pay the Manager a management fee of 0.70% based on the average daily NAV of the First Trust ETF. The management fee, plus applicable taxes including HST, will be accrued daily and paid monthly in arrears. The Manager may, from time to time in its discretion, waive all or a portion of the management fee charged at any given time.

**First Trust AlphaDEX™ U.S. Technology Sector Index ETF  
 Management Report of Fund Performance  
 For the year ended December 31, 2022**

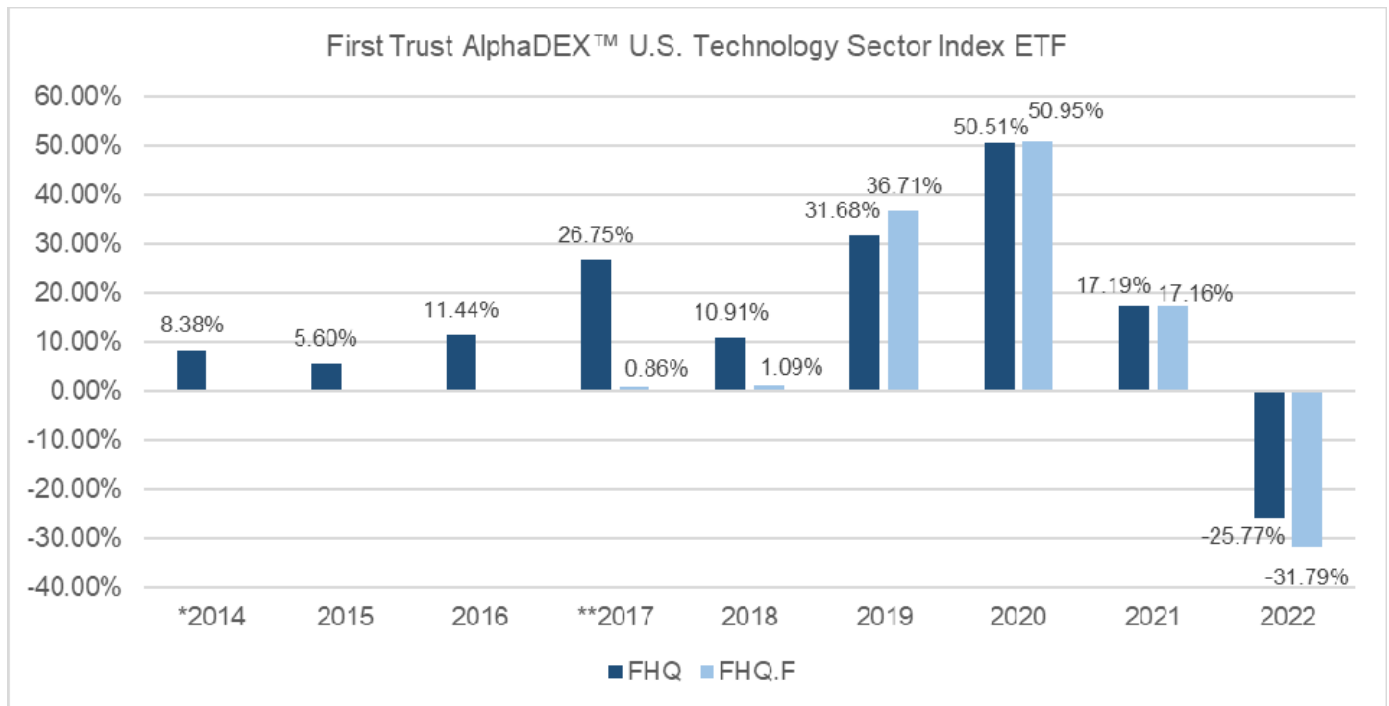
**Past Performance**

**General**

The past performance information shown assumes that all distributions made by the First Trust ETF in the periods/years shown were reinvested in additional securities of the First Trust ETF. The performance information does not take into account sales, redemption, distribution or other optional charges that would have reduced returns or performance. How the First Trust ETF has performed in the past does not necessarily indicate how it will perform in the future.

**Year by Year Returns**

The bar chart below shows the First Trust ETF's performance, per class, for the years ended December 31, for the period from commencement of operations to December 31, 2017 for FHQ.F, and for the period from commencement of operations to December 31, 2014 for FHQ and illustrates how the investment fund's performance has changed from year to year. The chart also shows, in percentage terms, how much an investment made on the first day of each financial year would have grown or decreased by the last day of each financial year.



\*FHQ Commencement: October 30, 2014

\*\*FHQ.F Commencement: December 8, 2017



# First Trust AlphaDEX™ U.S. Technology Sector Index ETF

## Management Report of Fund Performance

### For the year ended December 31, 2022

#### Annual Compound Returns

The table below shows the First Trust ETF's annual compound total return since inception and for the years ended December 31, 2022. The annual compound return is compared to the returns of the relevant benchmarks; however, the First Trust ETF's return is net of fees and expenses. See Results of Operations section of this report for further information regarding the current year performance of the First Trust ETF relative to the benchmarks.

Returns	1-year	3-year	5-year	10-year	Since Inception
First Trust AlphaDEX™ U.S. Technology Sector Index ETF – FHQ	-25.77%	9.40%	13.80%	-	14.78%
Russell 1000® Technology Index	-29.86%	11.20%	15.65%	-	18.52%
Russell 1000® Index	-13.25%	8.93%	10.85%	-	12.93%
S&P 500® Information Technology Index	-22.98%	13.25%	17.63%	-	20.13%
First Trust AlphaDEX™ U.S. Technology Sector Index ETF – FHQ.F	-31.79%	6.46%	10.72%	-	10.77%
Russell 1000® Technology Index USD	-34.61%	9.58%	13.86%	-	13.87%
Russell 1000® Index USD	-19.13%	7.35%	9.13%	-	9.33%
S&P 500® Information Technology Index USD	-28.19%	11.60%	15.81%	-	15.80%

*The Russell 1000® Technology Index is an unmanaged index which includes the stocks in the technology sector of the Russell 1000® Index.*

*The Russell 1000® Index consists of the largest 1000 companies in the Russell 3000® Index. It represents the universe of large capitalization stocks from which most active money managers typically select.*

*The S&P 500® Information Technology Index is an unmanaged index which includes the stocks in the information technology sector of the S&P 500® Index.*

#### Summary of Investment Portfolio

The table sets out the percentage (based on total net asset value) of the First Trust ETF's top 25 holdings as at December 31, 2022. This summary of portfolio holdings may change due to ongoing portfolio transactions of the First Trust ETF. Daily and quarterly updates are available at [www.firsttrust.ca](http://www.firsttrust.ca).

Top 25 Holdings	% of ETF Total Net Asset Value
Hewlett Packard Enterprise Co.	2.19%
Concentrix Corp.	1.96%
Jabil Inc.	1.95%
Avnet Inc.	1.90%
Qorvo Inc.	1.88%
Arrow Electronics Inc.	1.87%
IPG Photonics Corp.	1.85%
Corning Inc.	1.81%
Cirrus Logic Inc.	1.78%
DXC Technology Co.	1.78%
Skyworks Solutions Inc.	1.76%
Intel Corp.	1.69%
ON Semiconductor Corp.	1.65%
Cognizant Technology Solutions Corp., Class 'A'	1.64%
Micron Technology Inc.	1.64%
National Instruments Corp.	1.61%
Pure Storage Inc., Class 'A'	1.61%
Western Digital Corp.	1.60%
NCR Corp.	1.55%
KBR Inc.	1.53%
Gartner Inc.	1.52%
Meta Platforms Inc., Class 'A'	1.46%
TD SYNEX Corp.	1.46%
Teradyne Inc.	1.46%
CACI International Inc., Class 'A'	1.44%
Total	42.59%

---

First Trust AlphaDEX™ U.S. Technology Sector Index ETF  
Management Report of Fund Performance  
For the year ended December 31, 2022

---

**Portfolio Breakdown**

The table sets out the percentage (based on total net asset value) of the First Trust ETF's portfolio, by industry, as at December 31, 2022.

Industry Weightings	% of ETF Total Net Asset Value
Software and Computer Services	54.12%
Technology Hardware and Equipment	45.33%
Medical Equipment and Services	0.43%
Cash and Cash Equivalents	0.14%
Other Assets, Less Liabilities	-0.02%
Total	100.00%

(Page intentionally left blank)

FT Portfolios Canada Co.

40 King Street West, Suite 5102  
Scotia Plaza, Box 312  
Toronto, Ontario M5H 3Y2

[www.firsttrust.ca](http://www.firsttrust.ca)