# DEFIANCE

# **Defiance Quantum ETF** Trading Symbol: **QTUM**

# Listed on NYSE Arca, Inc.

Summary Prospectus April 30, 2023

www.defianceetfs.com

Before you invest, you may want to review the Fund's Prospectus and Statement of Additional Information ("SAI"), which contain more information about the Fund and its risks. The current Prospectus and SAI, each dated April 30, 2023, as supplemented from time to time, are incorporated by reference into this Summary Prospectus. You can find the Fund's Prospectus, reports to shareholder, and other information about the Fund online at www.defianceetfs.com/qtum. You can also get this information at no cost by calling 1-800-617-0004 or by sending an e-mail request to ETF@usbank.com.

## **Investment Objective**

The Defiance Quantum ETF (the "Fund" or the "Quantum ETF") seeks to track the total return performance, before fees and expenses, of the BlueStar Quantum Computing and Machine Learning Index (the "Index").

## Fees and Expenses of the Fund

The following table describes the fees and expenses you may pay if you buy, hold, and sell shares of the Fund ("Shares"). You may pay other fees, such as brokerage commissions and other fees to financial intermediaries, which are not reflected in the table and Example below.

| Annual Fund Operating Expenses (expenses that you pay each year as a percentage of the | he value of your investment) |
|--|------------------------------|
| Management Fees  | 0.40%                        |
| Distribution and/or Service (12b-1) Fees   | 0.00%                        |
| Other Expenses   | 0.00%                        |
| Total Annual Fund Operating Expenses   | 0.40%                        |

# **Expense Example**

This Example is intended to help you compare the cost of investing in the Fund with the cost of investing in other funds. The Example assumes that you invest \$10,000 in the Fund for the time periods indicated and then continue to hold or redeem all of your Shares at the end of those periods. The Example also assumes that your investment has a 5% return each year and that the Fund's operating expenses remain the same. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

| 1 Year | 3 Years | 5 Years | 10 Years |
|--------|---------|---------|----------|
| \$41   | \$128   | \$224   | \$505    |

## **Portfolio Turnover**

The Fund pays transaction costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover rate may indicate higher transaction costs and may result in higher taxes when Shares are held in a taxable account. These costs, which are not reflected in annual fund operating expenses or in the Example, affect the Fund's performance. For the fiscal year ended December 31, 2022, the Fund's portfolio turnover rate was 24% of the average value of its portfolio.

## **Principal Investment Strategies**

The Fund uses a "passive management" (or indexing) approach to track the total return performance, before fees and expenses, of the Index.

## BlueStar Quantum Computing and Machine Learning Index

The Index consists of a modified equal-weighted portfolio of the stock of companies that derive at least 50% of their annual revenue or operating activity from the development of quantum computing and machine learning technology. "Quantum computing" refers to hardware and software designed to take advantage of extremely fast computers that leverage the field of quantum mechanics, a branch of physics dealing with particles and the complexities in which they naturally behave. Such

technologies include research and development of quantum computers; use of quantum computing for applied sciences or communications; development of technology-enabled interactions between quantum and traditional computers; development of advanced hardware and/or software used in machine learning; production of specialized machinery used in advanced semiconductor and integrated circuit packaging; or the production and/or processing of raw materials used in quantum computing. The companies included in the Index are screened semi-annually from the universe of globally-listed stocks (including in emerging markets) by BlueStar Global Investors, LLC ("BlueStar" or the "Index Provider") based primarily on descriptions of a company's primary business activities in regulatory filings (*e.g.*, financial statements, annual reports, investor presentations), analyst reports, and industry-specific trade publications. Companies identified by BlueStar's screening process are then screened for investibility, including a minimum market capitalization of US\$150 million and minimum liquidity thresholds.

The Index is rebalanced and reconstituted semi-annually after the close of business on the third Friday of June and December each year based on data as of the Tuesday before the second Friday of June and December each year. However, new initial public offerings ("IPOs") that meet the Index's eligibility requirements may be added on a "fast-entry basis" in between reconstitution dates. In addition to the semi-annual reconstitutions in June and December, new IPOs are reviewed for fast-entry addition in March and September, and may be added after the close of business on the third Friday of March and September. Fast-entry additions are added at an equal weight with the weight reduced from existing components proportionally. Index constituents will be removed from the Index at the time of a reconstitution if they fail to meet the eligibility requirements.

In determining the companies included in the Index at the time of each rebalance and reconstitution of the Index, the largest eligible companies by market capitalization are included until 98.5% of the market capitalization of such eligible companies is included in the Index, plus any companies already included in the Index whose market capitalization is in the top 99.5% of the market capitalization of eligible companies. If such rules result in fewer than 70 Index components, the largest remaining eligible companies are selected until the number of components reaches 70.

As of March 31, 2023, the Index had 70 constituents, 13 of which were listed on a non-U.S. exchange. At the time of each rebalance and reconstitution of the Index, each constituent is equally-weighted, subject to a downward adjustment for securities trading below certain liquidity thresholds. Additionally, the weight of each Index component may rise and/or fall between Index rebalance dates.

The Index was established in 2018 and is owned by the Index Provider.

# The Fund's Investment Strategy

The Fund will generally use a "replication" strategy to achieve its investment objective, meaning the Fund will generally invest in all of the component securities of the Index in the same approximate proportions as in the Index. However, the Fund may use a "representative sampling" strategy, meaning it may invest in a sample of the securities in the Index whose risk, return, and other characteristics closely resemble the risk, return, and other characteristics of the Index as a whole, when the Fund's subadviser believes it is in the best interests of the Fund (*e.g.*, when replicating the Index involves practical difficulties or substantial costs, an Index constituent becomes temporarily illiquid, unavailable, or less liquid, or as a result of legal restrictions or limitations that apply to the Fund but not to the Index).

The Fund generally may invest in securities or other investments not included in the Index, but which the Fund's sub-adviser believes will help the Fund track the Index. For example, the Fund may invest in securities that are not components of the Index to reflect various corporate actions and other changes to the Index (such as reconstitutions, additions, and deletions).

To the extent the Index concentrates (*i.e.*, holds more than 25% of its total assets) in the securities of a particular industry or group of related industries, the Fund will concentrate its investments to approximately the same extent as the Index. As of March 31, 2023, the Index was concentrated in the semiconductors industry and had significant exposure to other information technology sector industries, including the software industry group.

## **Principal Investment Risks**

The principal risks of investing in the Fund are summarized below. The principal risks are presented in alphabetical order to facilitate finding particular risks and comparing them with other funds. Each risk summarized below is considered a "principal risk" of investing in the Fund, regardless of the order in which it appears. As with any investment, there is a risk that you could lose all or a portion of your investment in the Fund. Some or all of these risks may adversely affect the Fund's net asset value per share ("NAV"), trading price, yield, total return and/or ability to meet its objectives. For more information about the risks of investing in the Fund, see the section in the Fund's Prospectus titled "Additional Information About the Funds."

• Capital Controls and Sanctions Risk. Economic conditions, such as volatile currency exchange rates and interest rates, political events, military action and other conditions may, without prior warning, lead to foreign government intervention (including intervention by the U.S. government with respect to foreign governments, economic sectors, foreign companies and related securities and interests) and the imposition of capital controls and/or sanctions, which may also include

retaliatory actions of one government against another government, such as seizure of assets. Capital controls and/or sanctions include the prohibition of, or restrictions on, the ability to transfer currency, securities or other assets. Capital controls and/or sanctions may also impact the ability of the Fund to buy, sell or otherwise transfer securities or currency, negatively impact the value and/or liquidity of such instruments, adversely affect the trading market and price for Shares, and cause the Fund to decline in value.

- **Concentration Risk**. The Fund's investments will be concentrated in an industry or group of industries to the extent that the Index is so concentrated. In such event, the value of the Shares may rise and fall more than the value of shares of a fund that invests in securities of companies in a broader range of industries.
- **Currency Exchange Rate Risk.** The Fund may invest in investments denominated in non-U.S. currencies or in securities that provide exposure to such currencies. Changes in currency exchange rates and the relative value of non-U.S. currencies will affect the value of the Fund's investment and the value of your Shares. Currency exchange rates can be very volatile and can change quickly and unpredictably. As a result, the value of an investment in the Fund may change quickly and without warning and you may lose money.
- **Depositary Receipt Risk**. Depositary receipts involve risks similar to those associated with investments in foreign securities, such as changes in political or economic conditions of other countries and changes in the exchange rates of foreign currencies. Depositary receipts listed on U.S. exchanges are issued by banks or trust companies, and entitle the holder to all dividends and capital gains that are paid out on the underlying foreign shares ("Underlying Shares"). When the Fund invests in depositary receipts as a substitute for an investment directly in the Underlying Shares, the Fund is exposed to the risk that the depositary receipts may not provide a return that corresponds precisely with that of the Underlying Shares.
- Emerging Markets Risk. The Fund may invest in companies organized in emerging market nations. Investments in securities and instruments traded in developing or emerging markets, or that provide exposure to such securities or markets, can involve additional risks relating to political, economic, or regulatory conditions not associated with investments in U.S. securities and instruments or investments in more developed international markets. Such conditions may impact the ability of the Fund to buy, sell or otherwise transfer securities, adversely affect the trading market and price for Shares and cause the Fund to decline in value.
- Emerging Technologies Investment Risk. The Fund invests primarily to gain exposure to emerging technologies, such as quantum computing, in accordance with the Index. Companies across a wide variety of industries, primarily in the technology and communications services sectors, are exploring the possible applications of these technologies. The extent of such technologies' versatility has not yet been fully explored. Consequently, the Fund's holdings may include equity securities of operating companies that have exposure to a wide variety of industries, and the economic fortunes of certain companies held by the Fund may be significantly tied to such industries. Currently, there are few public companies for which these emerging technologies represent an attributable and significant revenue or profit stream, and such technologies may not ultimately have a material effect on the economic returns of companies in which the Fund invests.
- **Equity Market Risk**. The equity securities held in the Fund's portfolio may experience sudden, unpredictable drops in value or long periods of decline in value. This may occur because of factors that affect securities markets generally or factors affecting specific issuers, industries, or sectors in which the Fund invests. Common stocks are generally exposed to greater risk than other types of securities, such as preferred stock and debt obligations, because common stockholders generally have inferior rights to receive payment from issuers. In addition, local, regional or global events such as war, including Russia's invasion of Ukraine, acts of terrorism, spread of infectious diseases or other public health issues, recessions, rising inflation, or other events could have a significant negative impact on the Fund and its investments. For example, the global pandemic caused by COVID-19, a novel coronavirus, and the aggressive responses taken by many governments, including closing borders, restricting international and domestic travel, and the imposition of prolonged quarantines or similar restrictions, has had negative impacts, and in many cases severe impacts, on markets worldwide. The COVID-19 pandemic has caused prolonged disruptions to the normal business operations of companies around the world and the impact of such disruptions is hard to predict. Such events may affect certain geographic regions, countries, sectors and industries more significantly than others. Such events could adversely affect the prices and liquidity of the Fund's portfolio securities or other instruments and could result in disruptions in the trading markets.

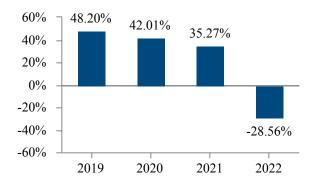
- **ETF Risks.** The Fund is an ETF, and, as a result of an ETF's structure, it is exposed to the following risks:
  - Authorized Participants, Market Makers, and Liquidity Providers Concentration Risk. The Fund has a limited number of financial institutions that may act as Authorized Participants ("APs"). In addition, there may be a limited number of market makers and/or liquidity providers in the marketplace. To the extent either of the following events occur, Shares may trade at a material discount to NAV and possibly face delisting: (i) APs exit the business or otherwise become unable to process creation and/or redemption orders and no other APs step forward to perform these services, or (ii) market makers and/or liquidity providers exit the business or significantly reduce their business activities and no other entities step forward to perform their functions.
  - *Costs of Buying or Selling Shares.* Due to the costs of buying or selling Shares, including brokerage commissions imposed by brokers and bid/ask spreads, frequent trading of Shares may significantly reduce investment results and an investment in Shares may not be advisable for investors who anticipate regularly making small investments.
  - Shares May Trade at Prices Other Than NAV. As with all ETFs, Shares may be bought and sold in the secondary market at market prices. Although it is expected that the market price of Shares will approximate the Fund's NAV, there may be times when the market price of Shares is more than the NAV intra-day (premium) or less than the NAV intra-day (discount) due to supply and demand of Shares or during periods of market volatility. This risk is heightened in times of market volatility, periods of steep market declines, and periods when there is limited trading activity for Shares in the secondary market, in which case such premiums or discounts may be significant. Because securities held by the Fund may trade on foreign exchanges that are closed when the Fund's primary listing exchange is open, the Fund is likely to experience premiums and discounts greater than those of domestic ETFs.
  - *Trading*. Although Shares are listed for trading on the NYSE Arca, Inc. (the "Exchange") and may be traded on U.S. exchanges other than the Exchange, there can be no assurance that Shares will trade with any volume, or at all, on any stock exchange. In stressed market conditions, the liquidity of Shares may begin to mirror the liquidity of the Fund's underlying portfolio holdings, which can be significantly less liquid than Shares.
- Foreign Securities Risk. Investments in non-U.S. securities involve certain risks that may not be present with investments in U.S. securities. For example, investments in non-U.S. securities may be subject to risk of loss due to foreign currency fluctuations or to political or economic instability. Investments in non-U.S. securities also may be subject to withholding or other taxes and may be subject to additional trading, settlement, custodial, and operational risks. These and other factors can make investments in the Fund more volatile and potentially less liquid than other types of investments.
- Geographic Investment Risk. To the extent the Fund invests a significant portion of its assets in the securities of companies of a single country or region, it is more likely to be impacted by events or conditions affecting that country or region.
- **Geopolitical Risk.** Some countries and regions in which the Fund invests have experienced security concerns, war or threats of war and aggression, terrorism, economic uncertainty, natural and environmental disasters and/or systemic market dislocations that have led, and in the future may lead, to increased short-term market volatility and may have adverse long-term effects on the U.S. and world economies and markets generally, each of which may negatively impact the Fund's investments.
- Index Methodology Risk. The Index may not include all companies around the globe whose products or services are predominantly tied to the development of quantum computing and machine learning technologies because the Index includes only those companies meeting the Index criteria. For example, companies that would otherwise be included in the Index might be excluded from the Index if they omit discussion of their quantum computing and machine learning technologies from descriptions of their business in regulatory filings or otherwise keep such work hidden from public (and the Index Provider's) view.
- Index Provider Risk. There is no assurance that the Index Provider, or any agents that act on its behalf, will compile the Index accurately, or that the Index will be determined, maintained, constructed, reconstituted, rebalanced, composed, calculated or disseminated accurately. The Adviser relies upon the Index Provider and its agents to compile, determine, maintain, construct, reconstitute, rebalance, compose, calculate (or arrange for an agent to calculate), and disseminate the Index accurately. Any losses or costs associated with errors made by the Index Provider or its agents generally will be borne by the Fund and its shareholders.
- Market Capitalization Risk
  - Large-Capitalization Investing. The securities of large-capitalization companies may be relatively mature compared to smaller companies and therefore subject to slower growth during times of economic expansion. Large-capitalization companies may also be unable to respond quickly to new competitive challenges, such as changes in technology and consumer tastes.

- *Mid-Capitalization Investing.* The securities of mid-capitalization companies may be more vulnerable to adverse issuer, market, political, or economic developments than securities of large-capitalization companies. The securities of mid-capitalization companies generally trade in lower volumes and are subject to greater and more unpredictable price changes than large capitalization stocks or the stock market as a whole.
- Small-Capitalization Investing. The securities of small-capitalization companies may be more vulnerable to adverse
  issuer, market, political, or economic developments than securities of large- or mid-capitalization companies. The
  securities of small-capitalization companies generally trade in lower volumes and are subject to greater and more
  unpredictable price changes than large- or mid-capitalization stocks or the stock market as a whole. There is typically
  less publicly available information concerning smaller-capitalization companies than for larger, more established
  companies.
- **Passive Investment Risk**. The Fund is not actively managed, and its sub-adviser would not sell shares of an equity security due to current or projected underperformance of a security, industry, or sector, unless that security is removed from the Index or the selling of shares of that security is otherwise required upon a reconstitution or rebalancing of the Index in accordance with the Index methodology.
- **Quantum Computing and Machine Learning Investment Risk.** Companies across a wide variety of industries, primarily in the technology sector, are exploring the possible applications of quantum computing and machine learning technologies. The extent of such technologies' versatility has not yet been fully explored. Consequently, the Fund's holdings may include equity securities of operating companies that focus on or have exposure to a wide variety of industries, and the economic fortunes of certain companies held by the Fund may not be significantly tied to such technologies. Currently, there are few public companies for which quantum computing and machine learning technologies represent an attributable and significant revenue or profit stream, and such technologies may not ultimately have a material effect on the economic returns of companies in which the Fund invests.
- **Sector Risk.** To the extent the Fund invests more heavily in particular sectors of the economy, its performance will be especially sensitive to developments that significantly affect those sectors.
  - Information Technology Sector Risk. The Fund is generally expected to invest significantly in companies in the information technology sector, including the semiconductor industry, and therefore the performance of the Fund could be negatively impacted by events affecting this sector. Market or economic factors impacting information technology companies and companies that rely heavily on technological advances could have a significant effect on the value of the Fund's investments. The value of stocks of information technology product cycles, rapid product obsolescence, government regulation and competition, both domestically and internationally, including competition from foreign competitors with lower production costs. Stocks of information technology companies and companies that rely heavily on technology, especially those of smaller, less-seasoned companies, tend to be more volatile than the overall market. Information technology companies are heavily dependent on patent and intellectual property rights, the loss or impairment of which may adversely affect profitability. Information technology companies and companies and companies are heavily dependent on patent and intellectual property rights, the loss or impairment of which may adversely affect profitability. Information technology companies and property rights, the loss or impairment of which may adversely affect profitability. Information technology companies and companies are heavily dependent on patent and intellectual property rights, the loss or impairment of which may adversely affect profitability. Information technology companies and companies and companies that rely heavily on technology may also be prone to operational and information security risks resulting from cybe
- **Securities Lending Risk.** There are certain risks associated with securities lending, including the risk that the borrower may fail to return the securities on a timely basis or even the loss of rights in the collateral deposited by the borrower, if the borrower should fail financially. The Fund could also lose money in the event of a decline in the value of collateral provided for loaned securities or a decline in the value of any investments made with cash collateral. As a result, the Fund may lose money.
- **Tracking Error Risk.** As with all index funds, the performance of the Fund and its Index may differ from each other for a variety of reasons. For example, the Fund incurs operating expenses and portfolio transaction costs not incurred by the Index. In addition, the Fund may not be fully invested in the securities of the Index at all times or may hold securities not included in the Index.

# Performance

The following performance information indicates some of the risks of investing in the Fund. The bar chart shows the Fund's performance for calendar years ended December 31. The table illustrates how the Fund's average annual returns for the 1-year and since inception periods compare with those of a broad measure of market performance and the Index. The Fund's past performance, before and after taxes, does not necessarily indicate how it will perform in the future. Updated performance information is available on the Fund's website at www.defianceetfs.com.

#### **Calendar Year Total Returns**



During the period of time shown in the bar chart, the Fund's highest quarterly return was 30.89% for the quarter ended June 30, 2020, and the lowest quarterly return was -19.48% for the quarter ended June 30, 2022.

# Average Annual Total Returns (For the Periods Ended December 31, 2022)

| Defiance Quantum ETF   | 1 Year  | Since<br>Inception<br>(9/4/18) |
|--|---------|--------------------------------|
| Return Before Taxes  | -28.56% | 11.91%                         |
| Return After Taxes on Distributions  | -28.80% | 11.70%                         |
| Return After Taxes on Distributions and Sale of Fund Shares  | -16.73% | 9.44%                          |
| BlueStar Quantum Computing and Machine Learning Index®<br>(reflects no deduction for fees, expenses, or taxes) | -28.37% | 12.46%                         |
| S&P 500 TR Index<br>(reflects no deduction for fees, expenses, or taxes)                                       | -18.11% | 8.61%                          |

After-tax returns are calculated using the historical highest individual federal marginal income tax rates during the period covered by the table above and do not reflect the impact of state and local taxes. Actual after-tax returns depend on an investor's tax situation and may differ from those shown. After-tax returns shown are not relevant to investors who hold their Shares through tax-deferred arrangements such as an individual retirement account ("IRA") or other tax-advantaged accounts. In certain cases, the figure representing "Return After Taxes on Distributions and Sale of Shares" may be higher than the other return figures for the same period. A higher after-tax return results when a capital loss occurs upon redemption and provides an assumed tax deduction that benefits the investor.

# **Portfolio Management**

| Adviser            | Defiance ETFs, LLC  |
|--------------------|---|
| Sub-Adviser        | Penserra Capital Management LLC ("Penserra" or the "Sub-Adviser")   |
| Portfolio Managers | Dustin Lewellyn, CFA, Managing Director of Penserra; Ernesto Tong, CFA, Managing Director of Penserra; and Anand Desai, Senior Vice President of Penserra have been portfolio managers of the Fund since its inception in September 2018. |

# **Purchase and Sale of Shares**

Shares are listed on the Exchange, and individual Shares may only be bought and sold in the secondary market through brokers at market prices, rather than NAV. Because Shares trade at market prices rather than NAV, Shares may trade at a price greater than NAV (premium) or less than NAV (discount).

The Fund issues and redeems Shares at NAV only in large blocks known as "Creation Units," which only APs (typically, broker-dealers) may purchase or redeem. The Fund generally issues and redeems Creation Units in exchange for a portfolio of securities and/or a designated amount of U.S. cash.

Investors may incur costs attributable to the difference between the highest price a buyer is willing to pay to purchase Shares (bid) and the lowest price a seller is willing to accept for Shares (ask) when buying or selling Shares in the secondary market (the "bid-ask spread"). Recent information about the Fund, including its NAV, market price, premiums and discounts, and bid-ask spreads is available on the Fund's website at www.defianceetfs.com.

# **Tax Information**

Fund distributions are generally taxable as ordinary income, qualified dividend income, or capital gains (or a combination), unless your investment is in an IRA or other tax-advantaged account. Distributions on investments made through tax-deferred arrangements may be taxed later upon withdrawal of assets from those accounts.

# **Financial Intermediary Compensation**

If you purchase Shares through a broker-dealer or other financial intermediary (such as a bank) (an "Intermediary"), the Adviser or its affiliates may pay Intermediaries for certain activities related to the Fund, including participation in activities that are designed to make Intermediaries more knowledgeable about exchange traded products, including the Fund, or for other activities, such as marketing, educational training or other initiatives related to the sale or promotion of Shares. These payments may create a conflict of interest by influencing the Intermediary and your salesperson to recommend the Fund over another investment. Any such arrangements do not result in increased Fund expenses. Ask your salesperson or visit the Intermediary's website for more information.