

Cybersecurity: Will Alphabet's Acquisition of Wiz Shake Up the Industry?

Key Takeaways

- **GOOGL's** pending acquisition of Wiz is its priciest acquisition to date, underscoring the importance of cloud security for its competitive positioning and market demand.
- Cloud security spending is projected to increase at a three-year compound annual growth rate (CAGR) of 21% to reach almost \$10 billion by 2028, driven by higher workloads in the cloud from AI, SaaS use, and migration.
- Wiz's capabilities will enhance **GOOGL's** security offerings, but market share dynamics are not likely to change significantly. Leading cybersecurity vendors are well established in the large enterprise space, with their own robust set of cloud security offerings. Availability in Google Cloud should alleviate competitive risks.
- We believe that cybersecurity firms such as **PANW, CRWD, FTNT, S, ZS,** and **CHKP** will continue to benefit from broad market demand for cloud security capabilities. In particular, we think **PANW** and **CRWD** are the best positioned with the widest set of end-to-end offerings.

Positive (+) or Negative (-) Implications

(+) Alphabet Inc. (GOOGL)

(+) Check Point Software Technologies Ltd. (CHKP)

(+) CrowdStrike Holdings Inc. (CRWD)

(+) Fortinet Inc. (FTNT)

(+) Palo Alto Networks Inc. (PANW)

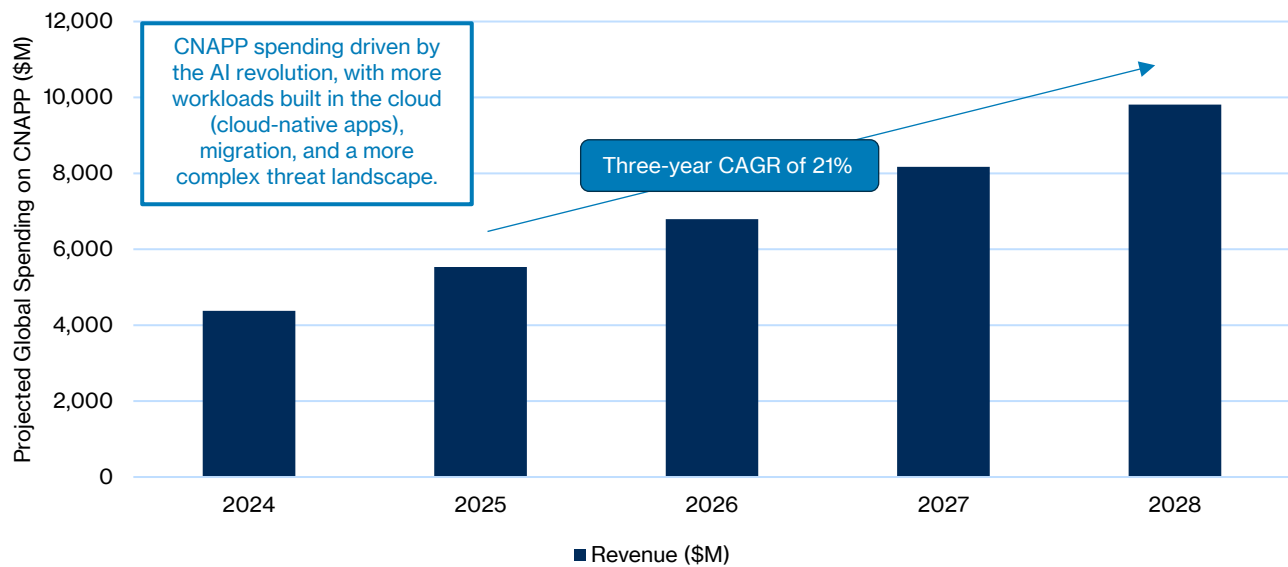
(+) SentinelOne Inc. (S)

(+) Zscaler Inc. (ZS)

Fundamental Context

Wiz's acquisition spotlights rapid growth in cloud security. **GOOGL** announced its planned acquisition of cybersecurity firm **Wiz** on March 18 for \$32 billion, marking its largest acquisition in the history of the company. The hefty valuation, which is based on estimated annual recurring revenue (ARR) of over \$500 million in October of 2024) and is upsized from a rejected \$23 billion offering last year, thrusts cloud security into the spotlight, as investors weigh in on the growth potential of **Wiz** and the industry. **Wiz** is a provider of a cloud security platform that secures workloads and applications in cloud environments. Commonly known in the industry as Cloud Native Application Protection Platform (CNAPP), **Wiz's** offerings enable organizations to manage cloud access and privileges (CIEM), maintain visibility and address misconfigurations (CSPM), scan for threats, control and enforce policies around workloads (CWP), automate remediation and response (CDR), and identify security issues at the development stages. IDC estimates that spending on CNAPP will grow at a three-year CAGR of 21%, from \$5.5 billion in 2025 to reach nearly \$10 billion by 2028.

Figure 1: CNAPP Growth



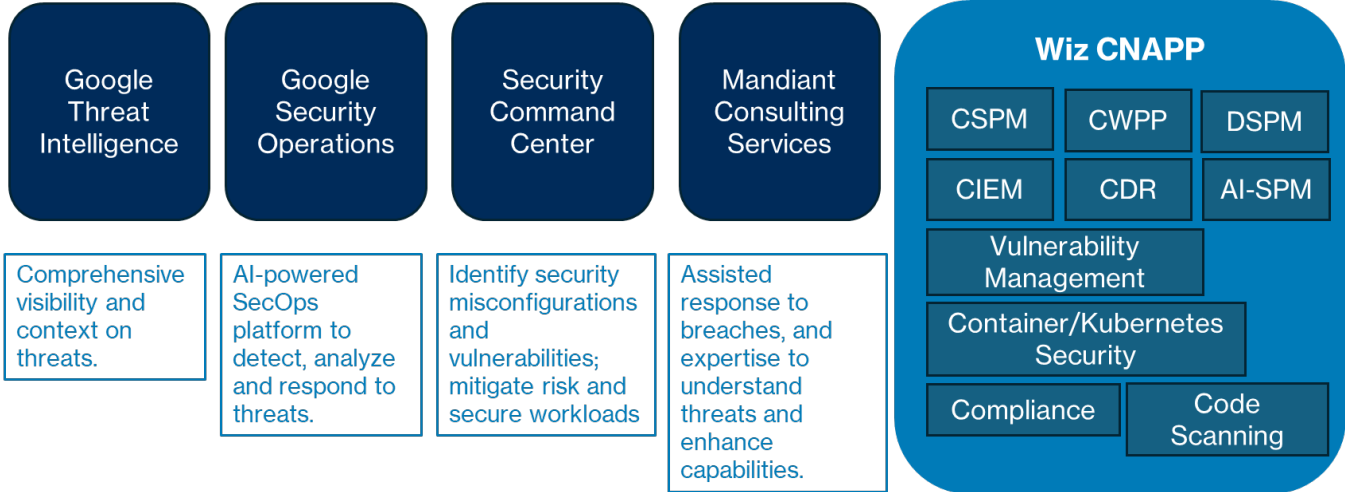
Source: CFRA, IDC.

Cloud security investments are a fraction of cloud revenues, underscoring an opportunity for acceleration. We have seen exceptional demand for cloud infrastructure and services over the last two years as the AI revolution unfolds, driven by more applications built in the cloud and greater compute needs to run and train models. Prior to 2023, continuing workload migration and SaaS adoption fueled spending in the public cloud. We do not expect public cloud demand to abate, as AI applications and services, compute and storage, and accompanying tools needed to deploy, analyze, and manage workloads in the cloud continue to rise. Yet, relative to spending on the public cloud, cloud security is still a small percentage of overall cloud IT spend, exposing organizations to vulnerabilities such as misconfigurations, security gaps between cloud providers, and inadequate policies and protection of sensitive data in public cloud environments. At a forecasted spend of \$5.5 billion in 2025, cloud security spend is just 1.4% of projected cloud IT spend (IaaS and PaaS) of \$392 billion, below the recommended 5% to 10% security budget allocation. With cloud IT spend forecasted to increase at a three-year CAGR of 23% to 2028 (according to IDC), we see the potential for higher cloud security growth if CISOs double down on securing their growing IT footprint and cloud workloads at the recommended levels.

The acquisition of Wiz could drive some share gains in the large enterprise market, but would primarily impact smaller, independent cloud security vendors, in our view. Wiz's CNAPP offerings would enable GOOGL to go to market with a fuller and more compelling security platform. Google Cloud currently offers Threat Intelligence, Security Operations, Security Command Center, and Mandiant Consulting Services. The addition of Wiz's CNAPP solutions enables GOOGL to secure cloud-native applications at every stage, from development to runtime, so customers can leverage and consolidate its cloud security technologies under a single vendor. With deep pockets, we anticipate that GOOGL will invest aggressively to drive expansion with existing cloud customers. Simultaneously, Mandiant's managed services and consulting business will be another avenue to recommend Wiz's products to its clients, allowing it to increase its penetration in the mid-to-large enterprise segment. Wiz's extraordinary growth rates – rising from \$100 million in ARR in February 2021 to a forecasted \$1 billion in ARR by the end of 2025, suggest a formidable set of solutions, and robust market demand. However, we believe large enterprise customers should already be established with major security vendors, and likely to expand into cloud security with them – switching costs are high, and we expect the bulk of the competition to be in greenfield opportunities, primarily in the small-to-mid market

segment, where firms currently have little or more limited use of sophisticated cloud security solutions and use point solution vendors, or displacement of legacy solutions ill-suited for cloud environments. Crucially, most leading vendors (e.g., CRWD, PANW, S, etc.) already have partnerships offering their CNAPP solutions in Google Cloud.

Figure 2: GOOGL’s Unified Cloud Security Platform Post Wiz Acquisition

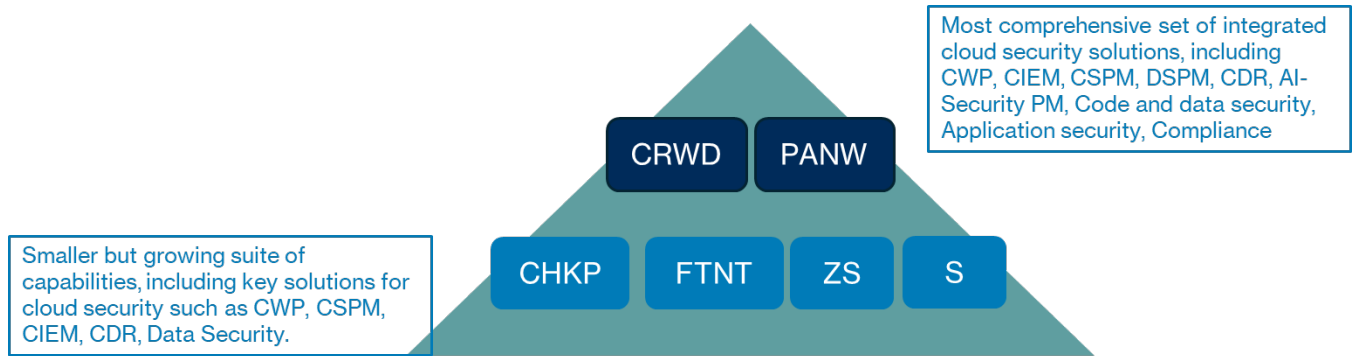


Source: CFRA, GOOGL investor presentation.

The top enterprise cybersecurity vendors are well positioned with a strong set of CNAPP solutions, and are also cloud-agnostic, with PANW and CRWD likely the most competitive. Firms such as CRWD, PANW, FTNT, CHKP, ZS, and S have diligently built their offerings around cloud security, including capabilities such as Cloud Security Posture Management (CSPM), Cloud Infrastructure Entitlement Management (CIEM), Cloud Detection and Response (CDR), and Cloud Workload Protection (CWP) over the last five years through acquisitions and internal R&D to integrate the technologies with the rest of the portfolio. PANW purchased Dig Security in December 2023, which was incorporated into its Prisma Cloud platform, while CRWD acquired Bionic in September 2023 to build out its CNAPP capabilities on the Falcon platform. Firewall vendor FTNT similarly bought Lacework in August 2024. CHKP offers customers its Cloud Guard platform, and has an existing partnership with Wiz to tap its CNAPP capabilities, but the question remains on how this partnership will evolve after the GOOGL acquisition. The partnership could end, forcing CHKP to beef up its CNAPP capabilities organically, or through various technology purchases to keep pace with the rest of the industry.

Another consideration with these cybersecurity vendors is that they are cloud-agnostic, i.e., solutions should aggregate telemetry data from all major cloud providers for analysis and operate seamlessly in the multi-cloud set-ups. While GOOGL has said Wiz will continue to maintain its multi-cloud presence post-acquisition, the question for Wiz and future customers is how the technologies will integrate and how the data will be shared/used. We believe this will play to the advantage of independent cybersecurity vendors. Within this set of companies, we think PANW and CRWD have the most comprehensive range of CNAPP offerings that address several pain points in the cloud environment and software lifecycle for their customers.

Figure 3: Cloud Security Winners



Source: CFRA.

Solid momentum in cloud security and total addressable market (TAM) expansion as new solutions strengthen vendors' portfolios. Major vendors have experienced a tremendous rise in demand for their CNAPP solutions, reporting high-double-digit revenue growth over the last two years as customers build out their cloud security technologies. Cloud security deals are growing at an impressive pace – PANW's Prisma Cloud exceeded \$700 million in ARR in FY 24 (Jul.), up from approximately \$300 million in FY 21. Likewise for CRWD, traction with its cloud security solutions has climbed from \$106 million in ARR at the end of Q4 FY 22 (Jan.), to over \$600 million at the end of FY 25, a three-year CAGR of 78% during this period. Security peer S shared that its Singularity Cloud products continue to be one of the leading areas of sales growth for the company, reaching a \$100 million ARR in Q4 FY 25 (Jan.). For CRWD, expanding its breadth of CNAPP solutions over the last five years has added approximately \$10 billion to its cloud security TAM, which is estimated at \$16 billion today. Similarly, PANW's cloud security TAM grew from \$2 billion in 2018 to \$11 billion in 2023. With large installed bases and a competitive range of CNAPP offerings, we believe these top firms can maintain a strong growth trajectory in their cloud security journeys even with the Wiz acquisition.

Company Implications

Alphabet Inc. (GOOGL 148 ****) is one of the largest public cloud providers globally, offering cloud infrastructure and services in its Google Cloud segment, including its AI solutions, cybersecurity, and data and analytics. The company has made multiple acquisitions over time to strengthen its security capabilities, such as its purchase of security orchestration, automation and response (SOAR) provider Siemplify in January 2022, and Mandiant Consulting Services in March 2022. GOOGL's efforts to strengthen its security offerings demonstrate the market's needs for a robust set of security capabilities designed for the cloud. It also seeks to leverage these capabilities as a competitive edge for Google Cloud services, in order to drive greater share among its hyperscaler competitors.

Check Point Software Technologies Ltd. (CHKP 213 ****) is one of the largest cybersecurity vendors in the market, with a comparatively long history in network security. It developed the modern firewall as its first product. CHKP has modernized its offerings over time and revamped its go-to-market, aligning its products with customers' needs in three categories – network security (Quantum); cloud security (CloudGuard); and securing access (Harmony) through email, endpoint, and SASE security solutions. CloudGuard provides users with multiple products to protect against threats and enhance visibility across multi-cloud environments. CHKP has underperformed peers for several quarters, but improvement in billings increases optimism that the company is starting a cycle of security appliance upgrades with customers, with potential upside in the mix as next-generation security products such as those on CloudGuard are added to drive higher contract values. The company has a partnership with Wiz to integrate its cloud network security technologies with Wiz's CNAPP platform to deliver a comprehensive solution, but a termination of this partnership would require CHKP to address technology gaps through acquisitions or R&D.

CrowdStrike Holdings, Inc. (CRWD 335 **)** provides a platform of cloud-delivered security solutions delivered via a Software-as-a-Service (SaaS) subscription-based model. The company began as an endpoint security provider, but has since not only deepened its technology offerings in endpoint (introduced XDR), but broadened its product line to include protection for cloud, identity, and security operations. These are its fastest-growing product lines, and are expected to be major drivers of its target \$10 billion ARR by FY 31. Its suite of CNAPP capabilities sit on the Falcon platform, and include Cloud Workload Protection (CWP), Cloud Security Posture Management (CSPM), Cloud Incident and Event Management (CIEM), Application Security Posture Management (ASPM), Data Security Posture Management (DSPM), and Cloud Detection and Response (CDR), making it one of the most comprehensive CNAPP providers in the marketplace today. CRWD has over 10,000 cloud security customers, leaving significant opportunity to convert the remaining two-thirds of its customer base over time.

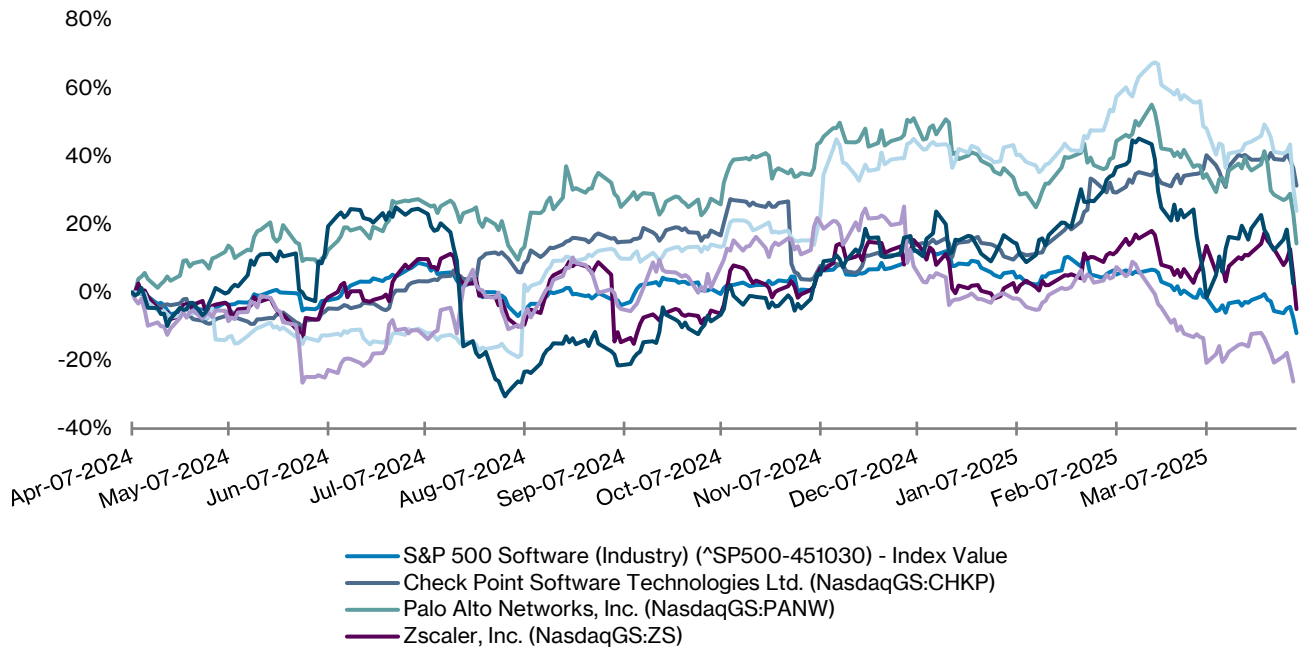
Fortinet Inc. (FTNT 89 **)** is the second-largest cybersecurity vendor by revenue. Similar to CHKP and PANW, FTNT started its business in network security, producing one of the “best-of-breed” modern firewalls available in the market today. Built with its proprietary Application-Specific Integrated Circuits (ASICs) chip, FTNT’s firewalls are capable of five to 10 times more computing power than the average appliance, delivering superior price performance. The company has regularly released newer and more powerful versions of its firewalls, and customer upgrades have spurred additional next-generation solution add-ons, including its FortiCNAPP (integrated from Lacework) solution. The offering is still in the early stages of adoption and we believe customers will extend their relationship with FTNT as these firms look to strengthen their cloud security technologies.

Palo Alto Networks, Inc. (PANW 155 *)** is a leading cybersecurity solutions provider serving mostly medium to large enterprises, service providers, and government agencies, including 77% of the Global 2000 companies. It has more than 85,000 customers across 150 countries, and offers a comprehensive portfolio covering network, cloud, and security operations technologies. Innovation has been a focus for PANW since its current CEO joined the company, transforming its network security offerings, building its cloud security suite, and developing a Security Operations product platform. PANW has become one of the most compelling security vendors in the market today with the largest suite of solutions for enterprise security modernization. Prisma Cloud is the company’s main cloud security solution offering, but it recently combined Prisma Cloud with Cortex’s automated threat response capabilities to form Cortex Cloud, signaling a greater focus on automating cloud protection, detection, and response. We believe PANW’s reputation and cloud security value proposition will continue to drive momentum in this area.

SentinelOne, Inc. (S 17 **)** is a cybersecurity software provider offering an AI-powered XDR platform (Singularity) that hunts, prevents, detects, and responds to a broad range of cybersecurity threats across endpoints, containers, cloud workloads, and Internet of Things (IoT) devices. S’s singularity platform contains modules offering different categories of security protection (Endpoint Security, Security Operations, Cloud Security, and Identity Security) and includes its Next-Generation Anti-Virus (NGAV), EDR, Incident Response, Vulnerability Management, and Identity Protection modules. S is a relatively small, but nonetheless a fast-growing player in the space, with a competitive edge over point solution vendors. The company continues to expand its platform rapidly through internal R&D and small technology acquisitions.

Zscaler Inc. (ZS 182 *)** is a cloud security company offering a Zero Trust Exchange platform to ensure secure access to both internally and externally managed applications. Solutions on its platform include Advanced Threat Protection (APT), sandboxing, DLP, CASB, cloud-based firewall, SSE, and cloud workload protection. ZS has grown rapidly as companies migrate to the cloud and embrace remote work as a pandemic norm. It offers several CNAPP capabilities, and its newest offering, Data Security Posture Management (DSPM), protects customers’ data in cloud environments and stops breaches with an agentless solution. With customers migrating more workloads to the cloud, ZS should benefit from cloud security investments.

Relative Performance



Source: S&P Global Market Intelligence (4/7/2024 to 4/7/2025).

Implications*

Positive implications: CFRA sees an improvement in company fundamentals, which could include (but are not limited to) improved pricing, strengthening backlog, market share gains, cost improvements, a more favorable regulatory environment, or improving demographic trends, over the next 12 months.

Negative implications: CFRA sees a weakening in the company's fundamentals, which could include (but are not limited to) weaker pricing, reduced backlog visibility, market share losses, cost inflation, unfavorable regulatory climate, or demographic headwinds, over the next 12 months.

* The categorization of positive or negative implication may not include every qualitative or quantitative factor that is used to undertake a full analysis of a company's financial picture as other factors may need to be analyzed, and is not intended to be investment advice and should not be interpreted as such. These categorizations represent the current good-faith views of the authors at the time of publication and these views are subject to change without notice of any kind.

Contact CFRA

977 Seminole Trail, PMB 230
Charlottesville, VA 22901-2824

USA

P: +1-800-220-0502

cservices@cfraresearch.com

www.cfraresearch.com

Disclosures

Stocks are ranked in accordance with the following ranking methodologies:

STARS Stock Reports

Qualitative STARS recommendations are determined and assigned by equity analysts. For reports containing STARS recommendations refer to the Glossary section of the report for detailed methodology and the definition of STARS rankings.

Quantitative Stock Reports

Quantitative recommendations are determined by ranking a universe of common stocks based on 5 measures or model categories: Valuation, Quality, Growth, Street Sentiment, and Price Momentum. In the U.S., a sixth sub-category for Financial Health will also be displayed. Percentile scores are used to compare each company to all other companies in the same universe for each model category. The five (six) model category scores are then weighted and rolled up into a single percentile ranking for that company. For reports containing quantitative recommendations refer to the Glossary section of the report for detailed methodology and the definition of Quantitative rankings.

STARS Stock Reports and Quantitative Stock Reports

The methodologies used in STARS Stock Reports and Quantitative Stock Reports (collectively, the "Research Reports") reflect different criteria, assumptions and analytical methods and may have differing recommendations. The methodologies and data used to generate the different types of Research Reports are believed by the author and distributor reasonable and appropriate. Generally, CFRA does not generate reports with different ranking methodologies for the same issuer. However, in the event that different methodologies or data are used on the analysis of an issuer, the methodologies may lead to different views or recommendations on the issuer, which may at times result in contradicting assessments of an issuer. CFRA reserves the right to alter, replace or vary models, methodologies, or assumptions from time to time and without notice to clients.

Analyst Certification

STARS Stock Reports are prepared by the equity research analysts of CFRA and its affiliates and subsidiaries. All of the views expressed in STARS Stock Reports accurately reflect the research analyst's personal views regarding any and all of the subject securities or issuers. Analysts generally update stock reports at least four times each year. No part of analyst, CFRA, or its affiliates or subsidiaries compensation was, is, or will be directly or indirectly related to the specific recommendations or views expressed in a STARS Stock Report.

About CFRA Equity Research's Distributors

This Research Report is published and originally distributed by Accounting Research & Analytics, LLC d/b/a CFRA ("CFRA US"), with the following exceptions: In the UK/EU/EEA, it is published and originally distributed by CFRA UK Limited ("CFRA UK"), which is regulated by the Financial Conduct Authority (No. 775151), and in Malaysia by CFRA MY Sdn Bhd (Company No. 683377-A). These parties and their subsidiaries maintain no responsibility for reports redistributed by third parties such as brokers or financial advisors.

General Disclosure

Notice to all jurisdictions:

Where Research Reports are made available in a language other than English and in the case of inconsistencies between the English and translated versions of a Research Report, the English version will control and supersede any ambiguities associated with any part or section of a Research Report that has been issued in a foreign language. Neither CFRA nor its affiliates guarantee the accuracy of the translation. The content of this report and the opinions expressed herein are those of CFRA based upon publicly-available information that CFRA believes to be reliable and the opinions are subject to change without notice. This analysis has not been submitted to, nor received approval from, the United States Securities and Exchange Commission or any other regulatory body. While CFRA exercised due care in compiling this analysis, CFRA AND ALL RELATED ENTITIES SPECIFICALLY DISCLAIM ALL WARRANTIES, EXPRESS OR IMPLIED, to the full extent permitted by law, regarding the accuracy, completeness, or usefulness of this information and assumes no liability with respect to the consequences of relying on this information for investment or other purposes.

No content (including ratings, credit-related analyses and data, valuations, model, software or other application or output therefrom) or any part thereof (Content) may be modified, reverse engineered, reproduced or distributed in any form by any means, or stored in a database or retrieval system, without the prior written permission of CFRA. The Content shall not be used for any unlawful or unauthorized purposes. CFRA and any third-party providers, as well as their directors, officers, shareholders, employees, or agents do not guarantee the accuracy, completeness, timeliness or availability of the Content.

Past performance is not necessarily indicative of future results.

This document may contain forward-looking statements or forecasts; such forecasts are not a reliable indicator of future performance. This report is not intended to, and does not, constitute an offer or solicitation to buy and sell securities or engage in any investment activity. This report is for informational purposes only. Recommendations in this report are not made with respect to any particular investor or type of investor. Securities, financial instruments, or strategies mentioned herein may not be suitable for all investors and this material is not intended for any specific investor and does not take into account an investor's particular investment objectives, financial situations or needs. Before acting on any recommendation in this material, you should consider whether it is suitable for your particular circumstances and, if necessary, seek professional advice.

CFRA may license certain intellectual property or provide services to, or otherwise have a business relationship with, certain issuers of securities that are the subject of CFRA research reports, including exchange-traded investments whose investment objective is to substantially replicate the returns of a proprietary index of CFRA. In cases where CFRA is paid fees that are tied to the amount of assets invested in a fund or the volume of trading activity in a fund, investment in the fund may result in CFRA receiving compensation in addition to the subscription fees or other compensation for services rendered by CFRA, however, no part of CFRA's compensation for services is tied to any recommendation or rating. Additional information on a subject company may be available upon request.

CFRA's financial data provider is S&P Global Market Intelligence. THIS DOCUMENT CONTAINS COPYRIGHTED AND TRADE SECRET MATERIAL DISTRIBUTED UNDER LICENSE FROM S&P GLOBAL MARKET INTELLIGENCE. FOR RECIPIENT'S INTERNAL USE ONLY.

The Global Industry Classification Standard (GICS®) was developed by and/or is the exclusive property of MSCI, Inc. and S&P Global Market Intelligence. GICS is a service mark of MSCI and S&P Global Market Intelligence and has been licensed for use by CFRA.

Other Disclaimers and Notice

Certain information in this report is provided by S&P Global, Inc. and/or its affiliates and subsidiaries (collectively "S&P Global"). Such information is subject to the following disclaimers and notices: "Copyright © 2025, S&P Global Market Intelligence (and its affiliates as applicable). All rights reserved. Nothing contained herein is investment advice and a reference to a particular investment or security, a credit rating or any observation concerning a security or investment provided by S&P Global is not a recommendation to buy, sell or hold such investment or security or make any other investment decisions. This may contain information obtained from third parties, including ratings from credit ratings agencies. Reproduction and distribution of S&P Global's information and third party content in any form is prohibited except with the prior written permission of S&P Global or the related third party, as applicable. Neither S&P Global nor its third party providers guarantee the accuracy, completeness, timeliness or availability of any information, including ratings, and are not responsible for any errors or omissions (negligent or otherwise), regardless of the cause, or for the results obtained from the use of such information or content. S&P GLOBAL AND ITS THIRD PARTY CONTENT PROVIDERS GIVE NO EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE AND ALL S&P INFORMATION IS PROVIDED ON AN AS-IS BASIS. S&P GLOBAL AND ITS THIRD PARTY CONTENT PROVIDERS SHALL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, EXEMPLARY, COMPENSATORY, PUNITIVE, SPECIAL OR CONSEQUENTIAL DAMAGES, COSTS, EXPENSES, LEGAL FEES, OR LOSSES (INCLUDING LOST INCOME OR PROFITS AND OPPORTUNITY COSTS OR LOSSES CAUSED BY NEGLIGENCE) IN CONNECTION WITH ANY USE OF THEIR INFORMATION OR CONTENT, INCLUDING RATINGS. Credit ratings are statements of opinions and are not statements of fact or recommendations to purchase, hold or sell securities. They do not address the suitability of securities or the suitability of securities for investment purposes, and should not be relied on as investment advice."

Certain information in this report may be provided by Securities Evaluations, Inc. ("SE"), a wholly owned subsidiary of Intercontinental Exchange. SE is a registered investment adviser with the United States Securities and Exchange Commission (SEC). SE's advisory services include evaluated pricing and model valuation of fixed income securities, derivative valuations and Odd-Lot Pricing that consists of bid- and ask-side evaluated prices for U.S. Municipal and U.S. Corporate Securities (together called valuation services). Such information is subject to the following disclaimers and notices: "No content (including credit-related analyses and data, valuations, model, software or other application or output therefrom) or any part thereof (Content) may be modified, reverse engineered, reproduced or distributed in any form by any means, or stored in a database or retrieval system, without the prior written permission of SE. The Content shall not be used for any unlawful or unauthorized purposes. SE and any third-party providers, as well as their directors, officers, shareholders, employees or agents (collectively SE Parties) do not guarantee the accuracy, completeness, timeliness or availability of the Content. SE Parties are not responsible for any errors or omissions (negligent or otherwise), regardless of the cause, for the results obtained from the use of the Content, or for the security or maintenance of any data input by the user. The Content is provided on an "as is" basis. SE PARTIES DISCLAIM ANY AND ALL EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE, FREEDOM FROM BUGS, SOFTWARE ERRORS OR DEFECTS, THAT THE CONTENT'S FUNCTIONING WILL BE UNINTERRUPTED OR THAT THE CONTENT WILL OPERATE WITH ANY SOFTWARE OR HARDWARE CONFIGURATION. In no event shall SE Parties be liable to

any party for any direct, indirect, incidental, exemplary, compensatory, punitive, special or consequential damages, costs, expenses, legal fees, or losses (including, without limitation, lost income or lost profits and opportunity costs or losses caused by negligence) in connection with any use of the Content even if advised of the possibility of such damages. Credit-related and other analyses and statements in the Content are statements of opinion as of the date they are expressed and not statements of fact or recommendations to purchase, hold, or sell any securities or to make any investment decisions. SE assumes no obligation to update the Content following publication in any form or format. The Content should not be relied on and is not a substitute for the skill, judgment and experience of the user, its management, employees, advisors and/or clients when making investment and other business decisions. SE's opinions and analyses do not address the suitability of any security. SE does not act as a fiduciary or an investment advisor. While SE has obtained information from sources it believes to be reliable, SE does not perform an audit and undertakes no duty of due diligence or independent verification of any information it receives. Valuations services are opinions and not statements of fact or recommendations to purchase, hold or sell any security or instrument, or to make any investment decisions. The information provided as part of valuations services should not be intended as an offer, promotion or solicitation for the purchase or sale of any security or other financial instrument nor should it be considered investment advice. Valuations services do not address the suitability of any security or instrument, and securities, financial instruments or strategies mentioned by SE may not be suitable for all investors. SE does not provide legal, accounting or tax advice, and clients and potential clients of valuation services should consult with an attorney and/or a tax or accounting professional regarding any specific legal, tax or accounting provision(s) applicable to their particular situations and in the countries and jurisdictions where they do business. SE has redistribution relationships that reflect evaluated pricing, derivative valuation and/or equity pricing services of other unaffiliated firms with which SE has contracted to distribute to its client base.

Pricing and data provided by these third-party firms are the responsibilities of those firms, and not SE, and are produced under those firms' methodologies, policies and procedures. Valuations services provided by SE and products containing valuations services may not be available in all countries or jurisdictions. Copyright © 2025 by Intercontinental Exchange Inc. All rights reserved."

For residents of the European Union/European Economic Area

Research reports are originally distributed by CFRA UK Limited (company number 08456139 registered in England & Wales with its registered office address at New Derwent House, 69-73 Theobalds Road, London, WC1X 8TA). CFRA UK Limited is regulated by the UK Financial Conduct Authority (No. 775151).

For residents of Malaysia

Research reports are originally produced and distributed by CFRA MY Sdn Bhd (Company No. 683377-A).

For Residents of Singapore

This Research Report is distributed by CFRA UK Limited to its clients in Singapore who hold a financial advisers licence or is a person exempt from holding such licence ("SG Intermediary"). Recipients of this Research Report in Singapore should contact the SG Intermediary in respect to any matters arising from, or in connection with, the analysis in this report. Where the recipient is not an accredited, expert or institutional investor as defined by the Securities and Futures Act, the SG Intermediary accepts legal responsibility for the contents of this Research Report in accordance with applicable law. When reports are distributed by SG Intermediaries in Singapore, the SG Intermediary, and not CFRA, is solely responsible for ensuring that the recipients of the Research Reports understand the information contained in the Research Reports and that such information is suitable based on the customer's profile and investment objectives. This Research Report is intended for general circulation and no advice or recommendation is made herein or by CFRA to any particular person. CFRA does not assume any responsibility to advise on whether any particular product is suitable for any person, and the analysis herein does not take into account the specific investment objectives, financial situation or particular needs of any particular person, and should not be relied upon for any investment decision.

For residents of all other countries

Research reports are originally distributed Accounting Research & Analytics, LLC d/b/a CFRA.

Copyright © 2025 CFRA. All rights reserved. CFRA and STARS are registered trademarks of CFRA.