Morgan Stanley | RESEARCH

UPDATE

June 14, 2026 09:00 PM GMT

Greater China Technology Hardware | Asia Pacific

Monthly Databook: May-26 shipments -7% vs. MSe; 2Qe down 3%; introduce 3Qe at -1% q/q

MORGAN STANLEY TAIWAN LIMITED+

Howard Kao
Equity Analyst
Howard.Kao@morganstanley.com +886 2 2730-2989

Sharon Shih
Equity Analyst
Sharon.Shih@morganstanley.com +886 2 2730-2865

Irene Yen
Research Associate
Irene.Yen@morganstanley.com +886 2 2730-2869

GREATER CHINA TECHNOLOGY HARDWARE

Asia Pacific
Industry View **In-Line**

Key Takeaways

- Top five ODMs' May 2026 NB shipments were 9.3m units (+2% m/m, -12% y/y), 7% below our estimate.
- We estimate June 2026 NB builds at 10.9m units (+17% m/m, -16% y/y).
- We cut our 2Q26 NB build estimate by 3% to 29.3m units (flat q/q, -12% y/y).
- We also introduce our 3Q26 NB build estimate at 29m units (-1% q/q, -15% y/y).

Overall May ODM notebook shipments came in 7% below our estimate: Component constraints remain the key bottlenecks, forcing ODMs to prioritize higher-end, more profitable models. **We forecast June NB builds at 10.9m (+17% q/q, -16% y/y) due to quarter-end pull-ins.**

We lower our 2Q notebook build estimate by 3% to 29.3m units (flat q/q, -12% y/y): The flat q/q growth is 12ppts below the 15Y avg seasonality of +12% q/q in 2Q, which is based on ODMs' latest guidance. We believe any deviation from the guidance will mainly stem from component availability.

We stay cautious on demand downside in 2H, although it is difficult to predict the exact timing. PC OEMs' mix will continue to shift toward more high-end segments, as they prioritize putting limited components into premium models to drive higher profits. **We introduce our 3Q notebook build estimate at 29m units (-1% q/q, -15% y/y),** which is sub-seasonal vs. the 15Y avg seasonality of +5% q/q in 3Q. Actual shipments will continue to depend on component availability.

Exhibit 1: Monthly NB shipments for top five NB ODMs

Shipment (unit: k)	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25E	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Apr-26	May-26	May-26E	Diff.	Jun-26E
Quanta	2,800	3,100	4,900	3,300	3,800	5,000	4,000	4,100	4,600	3,500	3,500	3,900	2,700	2,000	5,300	3,500	3,500	3,500	0%	3,500
Wistron	1,500	1,500	1,900	1,700	1,800	2,400	2,000	2,200	2,200	2,100	2,200	2,600	1,700	1,600	2,800	1,800	1,700	2,000	-15%	2,200
Others	1,500	1,600	1,900	1,700	1,800	2,100	1,700	1,800	1,900	1,600	1,700	2,000	1,700	1,500	2,200	1,500	1,500	1,800	-17%	2,200
Compal	2,000	2,100	2,900	2,200	2,400	2,500	2,300	2,300	2,500	2,100	2,300	2,400	1,600	1,500	2,800	1,800	2,000	2,100	-5%	2,200
Pegatron	610	575	700	610	775	990	750	825	825	775	710	925	700	425	675	525	575	625	-8%	750
Total	8,410	8,875	12,300	9,510	10,575	12,990	10,750	11,225	12,025	10,075	10,410	11,825	8,400	7,025	13,775	9,125	9,275	10,025	-7%	10,850
MoM %																				
Quanta	-35%	11%	58%	-33%	15%	32%	-20%	2%	12%	-24%	0%	11%	-31%	-26%	165%	-34%	0%	0%		0%
Wistron	-17%	0%	27%	-11%	6%	33%	-17%	10%	0%	-5%	5%	18%	-35%	-6%	75%	-36%	-6%	11%		29%
Others	-25%	7%	19%	-11%	6%	17%	-19%	6%	6%	-16%	6%	18%	-15%	-12%	47%	-32%	0%	20%		47%
Compal	-13%	5%	38%	-24%	9%	4%	-8%	0%	9%	-16%	10%	4%	-33%	-6%	87%	-36%	11%	17%		10%
Pegatron	-19%	-6%	22%	-13%	27%	28%	-24%	10%	0%	-6%	-8%	30%	-24%	-39%	59%	-22%	10%	19%		30%
Total	-25%	6%	39%	-23%	11%	23%	-17%	4%	7%	-16%	3%	14%	-29%	-16%	96%	-34%	2%	10%		17%
YoY%																				
Quanta	-3%	7%	4%	3%	-5%	11%	18%	-5%	-6%	9%	-3%	-9%	-4%	-35%	8%	6%	-8%	-8%		-30%
Wistron	15%	7%	0%	6%	6%	33%	25%	29%	16%	17%	29%	44%	13%	7%	47%	6%	-6%	11%		-8%
Others	0%	23%	12%	13%	6%	24%	0%	6%	6%	-6%	0%	0%	13%	-6%	16%	-12%	-17%	0%		5%
Compal	-9%	-9%	-3%	-21%	-17%	-17%	-8%	-21%	-14%	-25%	-15%	4%	-20%	-29%	-3%	-18%	-17%	-13%		-12%
Pegatron	16%	53%	8%	16%	6%	28%	-3%	-6%	0%	35%	14%	23%	15%	-26%	-4%	-14%	-26%	-19%		-24%
Total	0%	7%	3%	-1%	-4%	10%	8%	-2%	-2%	0%	1%	6%	0%	-21%	12%	-4%	-12%	-5%		-16%

Source: Company data, Morgan Stanley Research. E = Morgan Stanley Research estimates. "Others" are other leaders.

Exhibit 2: Quarterly NB shipments for top five NB ODMs

Shipment (unit: k)	1Q24	2Q24	3Q24	4Q24	1Q25	2Q25	3Q25	4Q25	1Q26	1Q26E	Diff.	2Q26E	2Q26E	Diff.	3Q26E
Quanta	10,500	11,700	12,600	11,100	10,800	12,100	12,700	10,900	10,000	9,000	11%	10,500	10,500	0%	10,800
Wistron	4,600	5,100	5,200	5,300	4,900	5,900	6,400	6,900	6,100	5,400	13%	5,700	5,800	-2%	5,500
Others	4,500	4,900	5,200	5,400	5,000	5,600	5,400	5,300	5,400	4,400	23%	5,200	5,500	-5%	4,500
Compal	7,500	8,700	8,300	7,800	7,000	7,100	7,100	6,800	5,900	5,500	7%	6,000	6,500	-8%	6,400
Pegatron	1,550	2,030	2,475	1,950	1,885	2,375	2,400	2,410	1,800	2,050	-12%	1,850	2,000	-8%	1,800
Total	28,650	32,430	33,775	31,550	29,585	33,075	34,000	32,310	29,200	26,350	11%	29,250	30,300	-3%	29,000
QoQ %															
Quanta	1%	11%	8%	-12%	-3%	12%	5%	-14%	-8%	-17%		5%	5%		3%
Wistron	-13%	11%	2%	2%	-8%	20%	8%	8%	-12%	-22%		-7%	-5%		-4%
Others	0%	9%	6%	4%	-7%	12%	-4%	-2%	2%	-17%		-4%	2%		-13%
Compal	-10%	16%	-5%	-6%	-10%	1%	0%	-4%	-13%	-19%		2%	10%		7%
Pegatron	-6%	31%	22%	-21%	-3%	26%	1%	0%	-25%	-15%		3%	11%		-3%
Total	-5%	13%	4%	-7%	-6%	12%	3%	-5%	-10%	-18%		0%	4%		-1%
YoY%															
Quanta	-3%	-7%	-4%	7%	3%	3%	1%	-2%	-7%	-17%		-13%	-13%		-15%
Wistron	18%	11%	0%	0%	7%	16%	23%	30%	24%	10%		-3%	-2%		-14%
Others	2%	0%	6%	20%	11%	14%	4%	-2%	8%	-12%		-7%	-2%		-17%
Compal	-1%	0%	-11%	-6%	-7%	-18%	-14%	-13%	-16%	-21%		-15%	-8%		-10%
Pegatron	-9%	-2%	-1%	18%	22%	17%	-3%	24%	-5%	9%		-22%	-16%		-25%
Total	1%	-1%	-4%	5%	3%	2%	1%	2%	-1%	-11%		-12%	-8%		-15%

Source: Company data, Morgan Stanley Research. E = Morgan Stanley Research estimates. "Others" are other leaders.

Valuation Methodology and Risks

Compal Electronics (2324.TW)

Base case, residual income model. Our key assumptions include a cost of equity of 9.1% (beta 1.3, equity risk premium 6.0%, and risk-free rate 1.5%), a medium-term growth rate of 5.0%, and a long-term earnings growth rate of 3.0%.

Risks to Upside

- Stronger-than-expected NB and smartphone demand
- Further share gains in iPad
- Margin expansion thanks to better scale

Risks to Downside

- Weaker-than-expected NB demand
- Margin contraction from sales shortfall and fierce price competition
- Weaker-than-expected iPad shipments

Quanta Computer Inc. (2382.TW)

Base case, residual income model. Key assumptions include a cost of equity of 9.0% (beta of 1.2, equity premium of 6.0% and risk-free rate of 1.5%), an 8.5% medium-term growth rate, and a 3% terminal growth rate.

Risks to Upside

- Stronger-than-expected NB demand
- Stronger-than-expected Apple Watch demand
- Stronger-than-expected server demand
- Faster-than-expected AI server penetration

Risks to Downside

- Weaker-than-expected NB demand
- Softer-than-expected Apple Watch demand
- Weak margin performance owing to rising labor costs and sales shortfalls
- Fierce price competition in the mega data center segment
- Slower-than-expected AI server penetration

Wistron Corporation (3231.TW)

Base case, residual income valuation. Key assumptions: 8.7% cost of equity, 7.0% medium-term growth rate and 3% terminal growth rate.

Risks to Upside

- Faster-than-expected divestiture of consumer electronics business
- Stronger-than-expected NB demand
- Margin expansion from better product mix
- Faster-than-expected AI server penetration

Risks to Downside

- Slower-than-expected divestiture of consumer electronics business
- Weaker-than-expected NB demand
- Margin contraction from sales shortfall and fierce competition
- Slower-than-expected AI server penetration

Pegatron Corporation (4938.TW)

Base case, sum-of-the-parts. Recurring core business earnings: 9x 2027e P/E, within ODMs' historical trading range of 8x to 12x since 2011, and below Pegatron's five-year average of 11.8x. We view our target P/E multiple as fair, reflecting a weaker end demand outlook for Pegatron's smartphone and PC business. We value its stakes in AsRock, Kinsus and Azure based on their market values in proportion to Pegatron's holdings.

Risks to Upside

- Better-than-expected iPhone volumes.
- Stronger PC shipments as a result of better component supply.
- Better-than-expected demand from EVs.

Risks to Downside

- Weaker iPhone demand.
- Margin erosion from poor resource planning.
- Lower contribution from non-PC products.

Disclosure Section

The information and opinions in Morgan Stanley Research were prepared or are disseminated by Morgan Stanley Asia Limited (which accepts the responsibility for its contents) and/or Morgan Stanley Asia (Singapore) Pte. (Registration number 199206298Z) and/or Morgan Stanley Asia (Singapore) Securities Pte Ltd (Registration number 200008434H), regulated by the Monetary Authority of Singapore (which accepts legal responsibility for its contents and should be contacted with respect to any matters arising from, or in connection with, Morgan Stanley Research), and/or Morgan Stanley Taiwan Limited and/or Morgan Stanley & Co International plc, Seoul Branch, and/or Morgan Stanley Australia Limited (A.B.N. 67 003 734 576, holder of Australian financial services license No. 233742, which accepts responsibility for its contents), and/or Morgan Stanley Wealth Management Australia Pty Ltd (A.B.N. 19 009 145 555, holder of Australian financial services license No. 240813, which accepts responsibility for its contents), and/or Morgan Stanley India Company Private Limited having Corporate Identification No (CIN) U22990MH1998PTC115305, regulated by the Securities and Exchange Board of India ("SEBI") and holder of licenses as a Research Analyst (SEBI Registration No. INH000001105); Stock Broker (SEBI Stock Broker Registration No. INZ000244438), Merchant Banker (SEBI Registration No. INM000011203), and depository participant with National Securities Depository Limited (SEBI Registration No. IN-DP-NSDL-567-2021) having registered office at Altimus, Level 39 & 40, Pandurang Budhkar Marg, Worli, Mumbai 400018, India; Telephone no. +91-22-61181000; Compliance Officer Details: Mr. Tejarshi Hardas, Tel. No.: +91-22-61181000 or Email: tejarshi.hardas@morganstanley.com; Grievance officer details: Mr. Tejarshi Hardas, Tel. No.: +91-22-61181000 or Email: msic-compliance@morganstanley.com which accepts the responsibility for its contents and should be contacted with respect to any matters arising from, or in connection with, Morgan Stanley Research, and their affiliates (collectively, "Morgan Stanley"). Morgan Stanley India Company Private Limited (MSICPL) may use AI tools in providing research services. All recommendations contained herein are made by the duly qualified research analysts.

For important disclosures, stock price charts and equity rating histories regarding companies that are the subject of this report, please see the Morgan Stanley Research Disclosure Website at www.morganstanley.com/eqr/disclosures/webapp/generalresearch, or contact your investment representative or Morgan Stanley Research at 1585 Broadway, (Attention: Research Management), New York, NY, 10036 USA.

For valuation methodology and risks associated with any recommendation, rating or price target referenced in this research report, please contact the Client Support Team as follows: US/Canada +1 800 303-2495; Hong Kong +852 2848-5999; Latin America +1 718 754-5444 (U.S.); London +44 (0)20-7425-8169; Singapore +65 6834-6860; Sydney +61 (0)2-9770-1505; Tokyo +81 (0)3-6836-9000. Alternatively you may contact your investment representative or Morgan Stanley Research at 1585 Broadway, (Attention: Research Management), New York, NY 10036 USA.

Analyst Certification

The following analysts hereby certify that their views about the companies and their securities discussed in this report are accurately expressed and that they have not received and will not receive direct or indirect compensation in exchange for expressing specific recommendations or views in this report: Howard Kao; Sharon Shih.

.

Global Research Conflict Management Policy

Morgan Stanley Research has been published in accordance with our conflict management policy, which is available at www.morganstanley.com/institutional/research/conflictpolicies. A Portuguese version of the policy can be found at www.morganstanley.com.br

Important Regulatory Disclosures on Subject Companies

As of May 29, 2026, Morgan Stanley beneficially owned 1% or more of a class of common equity securities of the following companies covered in Morgan Stanley Research: AAC Technologies Holdings, Accelink Technologies Co. Ltd., Acer Inc., AirTAC International, Asia Vital Components Co. Ltd., AU Optronics, Auras Technology Co Ltd, Bizlink, Catcher Technology, Chenbro, Compal Electronics, Delta Electronics Inc., E Ink Holdings Inc., Eoptolink Technology Inc Ltd, Fositek Corp, Genius Electronic Optical Co. Ltd., Giga-Byte Technology Co. Ltd., Gold Circuit Electronics Ltd., Hiwin Technologies Corp., Innolux, LandMark Optoelectronics Corporation, Lite-On Technology, Nan Ya PCB, Pegatron Corporation, Sunny Optical, Sunonwealth Electric Machine Industry Co, Suzhou TFC Optical Communication Co Ltd., TCL Corp., Tong Hsing, Unimicron, Visual Photonics Epitaxy Co Ltd, Wistron Corporation, Wiwynn Corp, Wuhan Jingce Electronic Group Co Ltd, Xiaomi Corp, Yageo Corp., Zhejiang Crystal-Optech Co Ltd, Zhen Ding, Zhongji Innolight Co Ltd, ZTE Corporation.

Within the last 12 months, Morgan Stanley managed or co-managed a public offering (or 144A offering) of securities of Wistron Corporation, Wiwynn Corp, Zhen Ding.

Within the last 12 months, Morgan Stanley has received compensation for investment banking services from Lenovo, Wistron Corporation, Wiwynn Corp, Xiaomi Corp, Yageo Corp., Zhen Ding.

In the next 3 months, Morgan Stanley expects to receive or intends to seek compensation for investment banking services from AAC Technologies Holdings, Accton Technology Corporation, Acer Inc., Advantech, AirTAC International, Asia Vital Components Co. Ltd., Asustek Computer Inc., AU Optronics, Bizlink, Catcher Technology, Chenbro, Compal Electronics, Delta Electronics Inc., E Ink Holdings Inc., Ennostar Inc, Eoptolink Technology Inc Ltd, FIT Hon Teng Ltd, Giga-Byte Technology Co. Ltd., GoerTek Inc, Gold Circuit Electronics Ltd., Hon Hai Precision, Innolux, Lenovo, Lens Technology, Lingyi Itech Guangdong Co, Lite-On Technology, Luxshare Precision Industry Co., Ltd., Pegatron Corporation, Q Technology (Group) Company Ltd, Quanta Computer Inc., Sanan Optoelectronics, Shenzhen Transsion Holdings Co Ltd, Suzhou TFC Optical Communication Co Ltd., TCL Corp., Unimicron, Wistron Corporation, Wiwynn Corp, Xiaomi Corp, Yageo Corp., Yangtze Optical Fibre and Cable JSC Ltd, Zhen Ding, Zhongji Innolight Co Ltd.

Within the last 12 months, Morgan Stanley has received compensation for products and services other than investment banking services from AAC Technologies Holdings, Accton Technology Corporation, Acer Inc., Asustek Computer Inc., AU Optronics, BYD Electronics, Compal Electronics, E Ink Holdings Inc., Eoptolink Technology Inc Ltd, Foxconn Technology, Giga-Byte Technology Co. Ltd., GoerTek Inc, Hon Hai Precision, Innolux, Lenovo, Lingyi Itech Guangdong Co, Quanta Computer Inc., Xiaomi Corp, Yageo Corp..

Within the last 12 months, Morgan Stanley has provided or is providing investment banking services to, or has an investment banking client relationship with, the following company: AAC Technologies Holdings, Accton Technology Corporation, Acer Inc., Advantech, AirTAC International, Asia Vital Components Co. Ltd., Asustek Computer Inc., AU Optronics, Bizlink, Catcher Technology, Chenbro, Compal Electronics, Delta Electronics Inc., E Ink Holdings Inc., Ennostar Inc, Eoptolink Technology Inc Ltd, FIT Hon Teng Ltd, Giga-Byte Technology Co. Ltd., GoerTek Inc, Gold Circuit Electronics Ltd., Hon Hai Precision, Innolux, Lenovo, Lens Technology, Lingyi Itech Guangdong Co, Lite-On Technology, Luxshare Precision Industry Co., Ltd., Pegatron Corporation, Q Technology (Group) Company Ltd, Quanta Computer Inc., Sanan Optoelectronics, Shenzhen Transsion Holdings Co Ltd, Suzhou TFC Optical Communication Co Ltd., TCL Corp., Unimicron, Wistron Corporation, Wiwynn Corp, Xiaomi Corp, Yageo Corp., Yangtze Optical Fibre and Cable JSC Ltd, Zhen Ding, Zhongji Innolight Co Ltd.

Within the last 12 months, Morgan Stanley has either provided or is providing non-investment banking, securities-related services to and/or in the past has entered into an agreement to provide services or has a client relationship with the following company: AAC Technologies Holdings, Accton Technology Corporation, Acer Inc., Asustek Computer Inc., AU Optronics, BYD Electronics, Compal Electronics, E Ink Holdings Inc., Eoptolink Technology Inc Ltd, Foxconn Technology, Giga-Byte Technology Co. Ltd., GoerTek Inc, Hon Hai Precision, Innolux, Lenovo, Lingyi Itech Guangdong Co, Quanta Computer Inc., Xiaomi Corp, Yageo Corp., Zhen Ding.

The equity research analysts or strategists principally responsible for the preparation of Morgan Stanley Research have received compensation based upon various factors, including quality of research, investor client feedback, stock picking, competitive factors, firm revenues and overall investment banking revenues. Equity Research analysts' or strategists' compensation is not linked to investment banking or capital markets transactions performed by Morgan Stanley or the profitability or revenues of particular trading desks.

Morgan Stanley and its affiliates do business that relates to companies/instruments covered in Morgan Stanley Research, including market making, providing liquidity, fund management,

commercial banking, extension of credit, investment services and investment banking. Morgan Stanley sells to and buys from customers the securities/instruments of companies covered in Morgan Stanley Research on a principal basis. Morgan Stanley may have a position in the debt of the Company or instruments discussed in this report. Morgan Stanley trades or may trade as principal in the debt securities (or in related derivatives) that are the subject of the debt research report.
Certain disclosures listed above are also for compliance with applicable regulations in non-US jurisdictions.

STOCK RATINGS

Morgan Stanley uses a relative rating system using terms such as Overweight, Equal-weight, Not-Rated or Underweight (see definitions below). Morgan Stanley does not assign ratings of Buy, Hold or Sell to the stocks we cover. Overweight, Equal-weight, Not-Rated and Underweight are not the equivalent of buy, hold and sell. Investors should carefully read the definitions of all ratings used in Morgan Stanley Research. In addition, since Morgan Stanley Research contains more complete information concerning the analyst's views, investors should carefully read Morgan Stanley Research, in its entirety, and not infer the contents from the rating alone. In any case, ratings (or research) should not be used or relied upon as investment advice. An investor's decision to buy or sell a stock should depend on individual circumstances (such as the investor's existing holdings) and other considerations.

Global Stock Ratings Distribution

(as of May 31, 2026)
The Stock Ratings described below apply to Morgan Stanley's Fundamental Equity Research and do not apply to Debt Research produced by the Firm.
For disclosure purposes only (in accordance with FINRA requirements), we include the category headings of Buy, Hold, and Sell alongside our ratings of Overweight, Equal-weight, Not-Rated and Underweight. Morgan Stanley does not assign ratings of Buy, Hold or Sell to the stocks we cover. Overweight, Equal-weight, Not-Rated and Underweight are not the equivalent of buy, hold, and sell but represent recommended relative weightings (see definitions below). To satisfy regulatory requirements, we correspond Overweight, our most positive stock rating, with a buy recommendation; we correspond Equal-weight and Not-Rated to hold and Underweight to sell recommendations, respectively.

	Coverage Universe		Investment Banking Clients (IBC)			Other Material Investment Services Clients (MISC)	
Stock Rating Category	Count	% of Total	Count	% of Total IBC	% of Rating Category	Count	% of Total Other MISC
Overweight/Buy	1542	42%	465	51%	30%	707	43%
Equal-weight/Hold	1571	43%	369	40%	23%	723	44%
Not-Rated/Hold	3	0%	0	0%	0%	1	0%
Underweight/Sell	551	15%	86	9%	16%	201	12%
Total	3,667		920			1632	

Data include common stock and ADRs currently assigned ratings. Investment Banking Clients are companies from whom Morgan Stanley received investment banking compensation in the last 12 months. Due to rounding off of decimals, the percentages provided in the "% of total" column may not add up to exactly 100 percent.

Analyst Stock Ratings

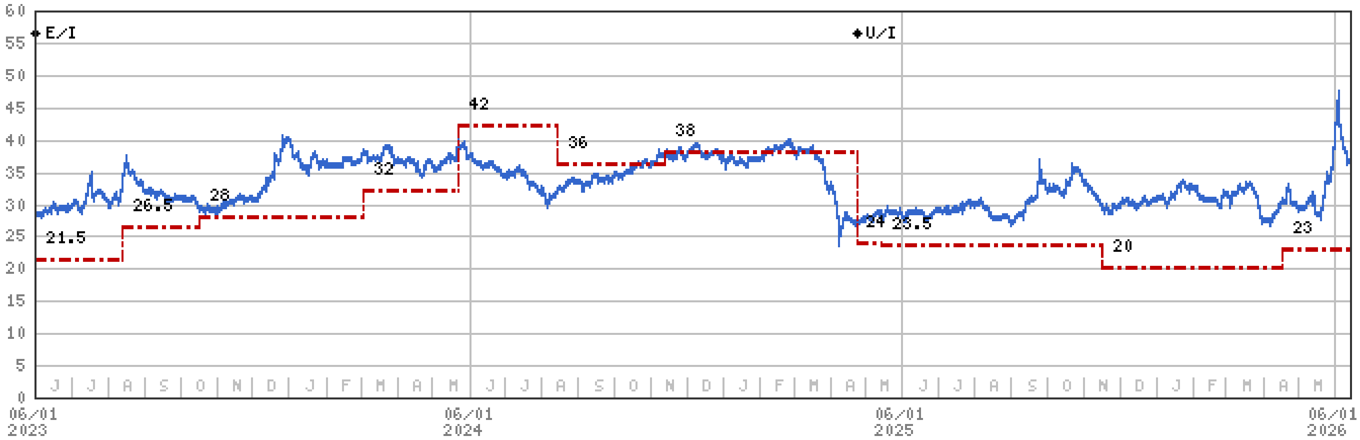
Overweight (O). The stock's total return is expected to exceed the average total return of the analyst's industry (or industry team's) coverage universe, on a risk-adjusted basis, over the next 12-18 months.
Equal-weight (E). The stock's total return is expected to be in line with the average total return of the analyst's industry (or industry team's) coverage universe, on a risk-adjusted basis, over the next 12-18 months.
Not-Rated (NR). Currently the analyst does not have adequate conviction about the stock's total return relative to the average total return of the analyst's industry (or industry team's) coverage universe, on a risk-adjusted basis, over the next 12-18 months.
Underweight (U). The stock's total return is expected to be below the average total return of the analyst's industry (or industry team's) coverage universe, on a risk-adjusted basis, over the next 12-18 months.
Unless otherwise specified, the time frame for price targets included in Morgan Stanley Research is 12 to 18 months.

Analyst Industry Views

Attractive (A): The analyst expects the performance of his or her industry coverage universe over the next 12-18 months to be attractive vs. the relevant broad market benchmark, as indicated below.
In-Line (I): The analyst expects the performance of his or her industry coverage universe over the next 12-18 months to be in line with the relevant broad market benchmark, as indicated below.
Cautious (C): The analyst views the performance of his or her industry coverage universe over the next 12-18 months with caution vs. the relevant broad market benchmark, as indicated below.
Benchmarks for each region are as follows: North America - S&P 500; Latin America - relevant MSCI country index or MSCI Latin America Index; Europe - MSCI Europe; Japan - TOPIX; Asia - relevant MSCI country index or MSCI sub-regional index or MSCI AC Asia Pacific ex Japan Index.

Stock Price, Price Target and Rating History (See Rating Definitions)

Compal Electronics (2324.TW) - As of 06/13/26 GMT in TWD
Industry : Greater China Technology Hardware



Stock Rating History: 6/1/21 : U/I; 5/1/23 : E/I; 4/23/25 : U/I

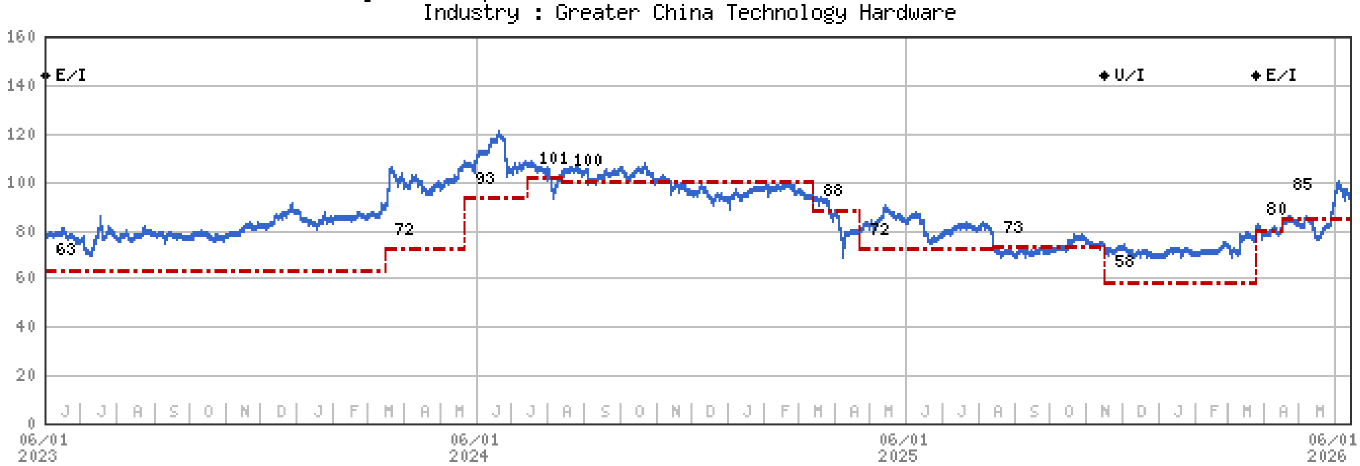
Price Target History: 3/26/21 : 20; 7/28/21 : 18; 11/12/21 : 19; 3/7/22 : 21; 5/12/22 : 19.5; 7/26/22 : 19; 8/14/22 : 18; 5/1/23 : 21.5; 8/14/23 : 26.5; 10/17/23 : 28; 3/4/24 : 32; 5/22/24 : 42; 8/14/24 : 36; 11/13/24 : 38; 4/23/25 : 24; 5/15/25 : 23.5; 11/16/25 : 20; 4/17/26 : 23

Source: Morgan Stanley Research   Date Format : MM/DD/YY   Price Target --   No Price Target Assigned (NA)
Stock Price (Not Covered by Current Analyst)   Stock Price (Covered by Current Analyst)
Stock and Industry Ratings (abbreviations below) appear as ◆ Stock Rating/Industry View
Stock Ratings: Overweight (O) Equal-weight (E) Underweight (U) Not-Rated (NR) No Rating Available (NA)
Industry View: Attractive (A) In-line (I) Cautious (C) No Rating (NR)

Effective January 13, 2014, the stocks covered by Morgan Stanley Asia Pacific will be rated relative to the analyst's industry (or industry team's) coverage.

Effective January 13, 2014, the industry view benchmarks for Morgan Stanley Asia Pacific are as follows: relevant MSCI country index or MSCI sub-regional index or MSCI AC Asia Pacific ex Japan Index.

Pegatron Corporation (4938.TW) - As of 06/13/26 GMT in TWD
Industry : Greater China Technology Hardware



Stock Rating History: 6/1/21 : U/I; 3/7/22 : E/I; 11/16/25 : U/I; 3/25/26 : E/I

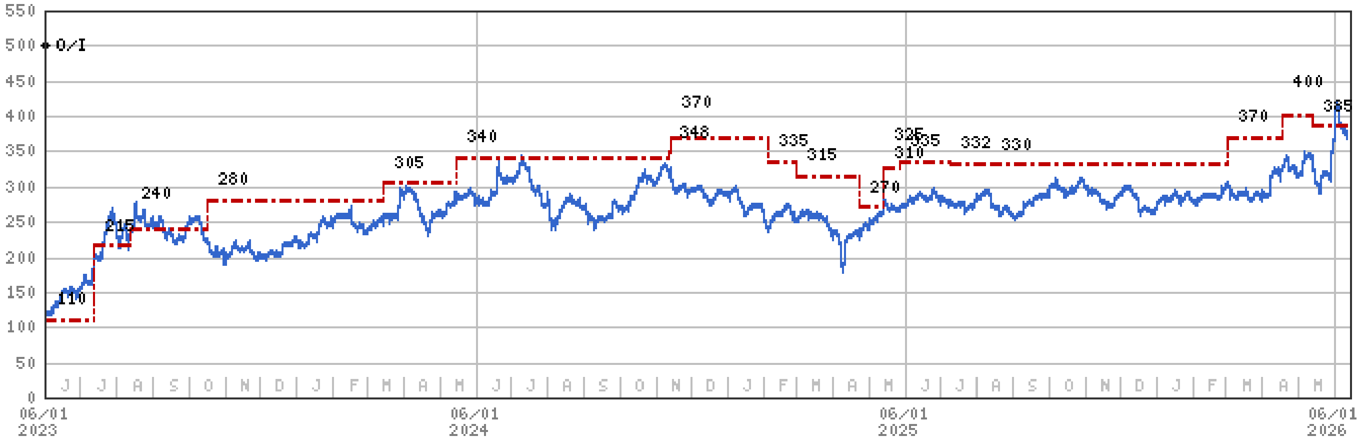
Price Target History: 5/12/21 : 62; 7/28/21 : 64; 3/7/22 : 70; 3/10/22 : 75; 5/13/22 : 70; 7/26/22 : 65; 8/1/22 : 68; 11/11/22 : 66; 5/1/23 : 63; 3/15/24 : 72; 5/22/24 : 93; 7/15/24 : 101; 8/13/24 : 100; 3/14/25 : 88; 4/23/25 : 72; 8/14/25 : 73; 11/16/25 : 58; 3/25/26 : 80; 4/17/26 : 85

Source: Morgan Stanley Research   Date Format : MM/DD/YY   Price Target --   No Price Target Assigned (NA)
Stock Price (Not Covered by Current Analyst)   Stock Price (Covered by Current Analyst)
Stock and Industry Ratings (abbreviations below) appear as ◆ Stock Rating/Industry View
Stock Ratings: Overweight (O) Equal-weight (E) Underweight (U) Not-Rated (NR) No Rating Available (NA)
Industry View: Attractive (A) In-line (I) Cautious (C) No Rating (NR)

Effective January 13, 2014, the stocks covered by Morgan Stanley Asia Pacific will be rated relative to the analyst's industry (or industry team's) coverage.

Effective January 13, 2014, the industry view benchmarks for Morgan Stanley Asia Pacific are as follows: relevant MSCI country index or MSCI sub-regional index or MSCI AC Asia Pacific ex Japan Index.

Quanta Computer Inc. (2382.TW) - As of 06/14/26 GMT in TWD
Industry : Greater China Technology Hardware



Stock Rating History: 6/1/21 : O/I; 7/28/21 : E/I; 5/1/23 : O/I

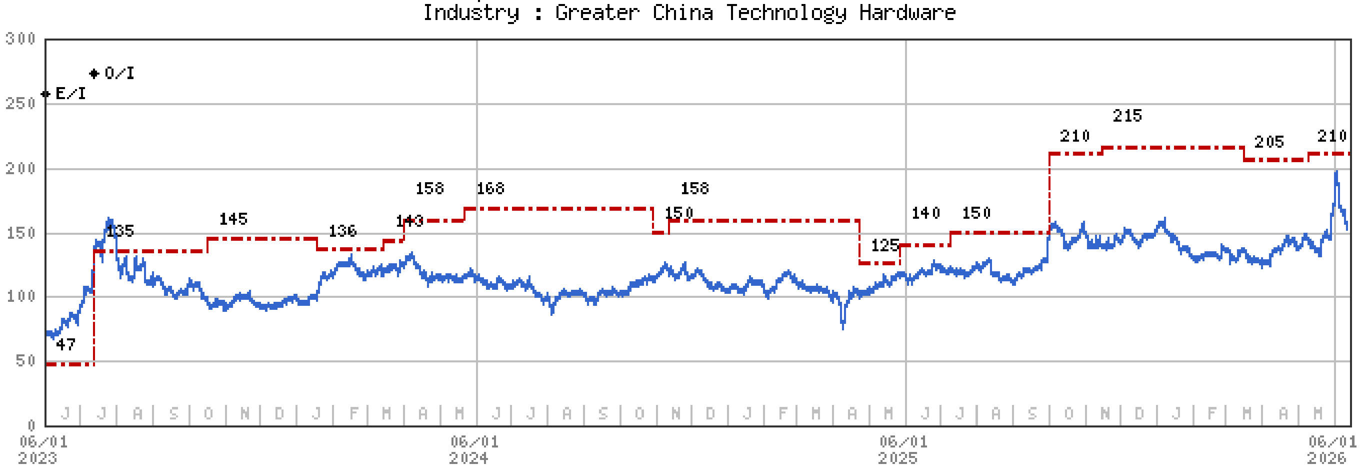
Price Target History: 5/13/21 : 110; 7/28/21 : 85; 11/12/21 : 94; 3/7/22 : 99; 3/16/22 : 98; 5/13/22 : 85; 7/26/22 : 80; 8/13/22 : 82.5; 5/1/23 : 105; 5/12/23 : 110; 7/12/23 : 215; 8/12/23 : 240; 10/17/23 : 280; 3/15/24 : 305; 5/15/24 : 340; 11/12/24 : 348; 11/14/24 : 370; 2/4/25 : 335; 2/28/25 : 315; 4/23/25 : 270; 5/13/25 : 310; 5/14/25 : 325; 5/27/25 : 335; 7/9/25 : 332; 8/13/25 : 330; 3/2/26 : 370; 4/17/26 : 400; 5/14/26 : 385

Source: Morgan Stanley Research   Date Format : MM/DD/YY   Price Target --   No Price Target Assigned (NA)
Stock Price (Not Covered by Current Analyst)   Stock Price (Covered by Current Analyst)
Stock and Industry Ratings (abbreviations below) appear as ◆ Stock Rating/Industry View
Stock Ratings: Overweight (O) Equal-weight (E) Underweight (U) Not-Rated (NR) No Rating Available (NA)
Industry View: Attractive (A) In-line (I) Cautious (C) No Rating (NR)

Effective January 13, 2014, the stocks covered by Morgan Stanley Asia Pacific will be rated relative to the analyst's industry (or industry team's) coverage.

Effective January 13, 2014, the industry view benchmarks for Morgan Stanley Asia Pacific are as follows: relevant MSCI country index or MSCI sub-regional index or MSCI AC Asia Pacific ex Japan Index.

Wistron Corporation (3231.TW) - As of 06/14/26 GMT in TWD
Industry : Greater China Technology Hardware



Stock Rating History: 6/1/21 : E/I; 7/12/23 : O/I

Price Target History: 3/23/21 : 34; 7/28/21 : 30; 11/6/21 : 32; 5/9/22 : 31; 7/26/22 : 29; 8/8/22 : 30; 11/7/22 : 29; 1/17/23 : 31; 3/15/23 : 34; 5/1/23 : 48.5; 5/12/23 : 47; 7/12/23 : 135; 10/17/23 : 145; 1/18/24 : 136; 3/14/24 : 143; 4/1/24 : 158; 5/22/24 : 168; 10/30/24 : 150; 11/12/24 : 158; 4/23/25 : 125; 5/27/25 : 140; 7/9/25 : 150; 10/2/25 : 210; 11/16/25 : 215; 3/16/26 : 205; 5/9/26 : 210

Source: Morgan Stanley Research   Date Format : MM/DD/YY   Price Target --   No Price Target Assigned (NA)
Stock Price (Not Covered by Current Analyst)   Stock Price (Covered by Current Analyst)
Stock and Industry Ratings (abbreviations below) appear as ◆ Stock Rating/Industry View
Stock Ratings: Overweight (O) Equal-weight (E) Underweight (U) Not-Rated (NR) No Rating Available (NA)
Industry View: Attractive (A) In-line (I) Cautious (C) No Rating (NR)

Effective January 13, 2014, the stocks covered by Morgan Stanley Asia Pacific will be rated relative to the analyst's industry (or industry team's) coverage.

Effective January 13, 2014, the industry view benchmarks for Morgan Stanley Asia Pacific are as follows: relevant MSCI country index or MSCI sub-regional index or MSCI AC Asia Pacific ex Japan Index.

Important Disclosures for Morgan Stanley Smith Barney LLC Customers

Important disclosures regarding any material conflict of interest that can reasonably be expected to have influenced Morgan Stanley Smith Barney LLC's choice of a third-party research provider or the subject company of a third-party research report, are available on the Morgan Stanley Wealth Management disclosure website at www.morganstanley.com/online/researchdisclosures. For Morgan Stanley specific disclosures, you may refer to https://www.morganstanley.com/eqr/disclosures/webapp/generalresearch.

Each Morgan Stanley research report is reviewed and approved on behalf of Morgan Stanley Smith Barney LLC. This review and approval is conducted by the same person who reviews the research report on behalf of Morgan Stanley. This could create a conflict of interest.

Other Important Disclosures

Morgan Stanley Research policy is to update research reports as and when the Research Analyst and Research Management deem appropriate, based on developments with the issuer, the sector, or the market that may have a material impact on the research views or opinions stated therein. In addition, certain Research publications are intended to be updated on a regular periodic basis (weekly/monthly/quarterly/annual) and will ordinarily be updated with that frequency, unless the Research Analyst and Research Management determine that a different publication schedule is appropriate based on current conditions.

Morgan Stanley is not acting as a municipal advisor and the opinions or views contained herein are not intended to be, and do not constitute, advice within the meaning of Section 975 of the Dodd-Frank Wall Street Reform and Consumer Protection Act.

Morgan Stanley produces an equity research product called a "Tactical Idea." Views contained in a "Tactical Idea" on a particular stock may be contrary to the recommendations or views expressed in research on the same stock. This may be the result of differing time horizons, methodologies, market events, or other factors. For all research available on a particular stock, please contact your sales representative or go to Matrix at http://www.morganstanley.com/matrix.

Morgan Stanley Research is provided to our clients through our proprietary research portal on Matrix and also distributed electronically by Morgan Stanley to clients. Certain, but not all, Morgan Stanley Research products are also made available to clients through third-party vendors or redistributed to clients through alternate electronic means as a convenience. For access to all available Morgan Stanley Research, please contact your sales representative or go to Matrix at http://www.morganstanley.com/matrix.

Any access and/or use of Morgan Stanley Research is subject to Morgan Stanley's Terms of Use (http://www.morganstanley.com/terms.html). By accessing and/or using Morgan Stanley Research, you are indicating that you have read and agree to be bound by our Terms of Use (http://www.morganstanley.com/terms.html). In addition you consent to Morgan Stanley processing your personal data and using cookies in accordance with our Privacy Policy and our Global Cookies Policy (http://www.morganstanley.com/privacy_pledge.html), including for the purposes of setting your preferences and to collect readership data so that we can deliver better and more personalized service and products to you. To find out more information about how Morgan Stanley processes personal data, how we use cookies and how to reject cookies see our Privacy Policy and our Global Cookies Policy (http://www.morganstanley.com/privacy_pledge.html). Please use the provided link to review the Terms and Conditions and Most Important Terms and Conditions for Morgan Stanley India Company Private Limited (https://www.morganstanley.com/assets/pdfs/about-us-global-offices/india/Terms_and_conditions.pdf) and the following link to review the audit report (https://ny.matrix.ms.com/eqr/research/webapp/researchdocs/MSICPL_Morgan_Stanley_Research_Audit_Report.pdf).

If you do not agree to our Terms of Use and/or if you do not wish to provide your consent to Morgan Stanley processing your personal data or using cookies please do not access our research.

Morgan Stanley Research does not provide individually tailored investment advice. Morgan Stanley Research has been prepared without regard to the circumstances and objectives of those who receive it. Morgan Stanley recommends that investors independently evaluate particular investments and strategies, and encourages investors to seek the advice of a financial adviser. The appropriateness of an investment or strategy will depend on an investor's circumstances and objectives. The securities, instruments, or strategies discussed in Morgan Stanley Research may not be suitable for all investors, and certain investors may not be eligible to purchase or participate in some or all of them. Morgan Stanley Research is not an offer to buy or sell or the solicitation of an offer to buy or sell any security/instrument or to participate in any particular trading strategy. The value of and income from your investments may vary because of changes in interest rates, foreign exchange rates, default rates, prepayment rates, securities/instruments prices, market indexes, operational or financial conditions of companies or other factors. There may be time limitations on the exercise of options or other rights in securities/instruments transactions. Past performance is not necessarily a guide to future performance. Estimates of future performance are based on assumptions that may not be realized. If provided, and unless otherwise stated, the closing price on the cover page is that of the primary exchange for the subject company's securities/instruments.

The fixed income research analysts, strategists or economists principally responsible for the preparation of Morgan Stanley Research have received compensation based upon various factors, including quality, accuracy and value of research, firm profitability or revenues (which include fixed income trading and capital markets profitability or revenues), client feedback and competitive factors. Fixed Income Research analysts', strategists' or economists' compensation is not linked to investment banking or capital markets transactions performed by Morgan Stanley or the profitability or revenues of particular trading desks.

The "Important Regulatory Disclosures on Subject Companies" section in Morgan Stanley Research lists all companies mentioned where Morgan Stanley owns 1% or more of a class of common equity securities of the companies. For all other companies mentioned in Morgan Stanley Research, Morgan Stanley may have an investment of less than 1% in securities/instruments or derivatives of securities/instruments of companies and may trade them in ways different from those discussed in Morgan Stanley Research. Employees of Morgan Stanley not involved in the preparation of Morgan Stanley Research may have investments in securities/instruments or derivatives of securities/instruments of companies mentioned and may trade them in ways different from those discussed in Morgan Stanley Research. Derivatives may be issued by Morgan Stanley or associated persons.

With the exception of information regarding Morgan Stanley, Morgan Stanley Research is based on public information. Morgan Stanley makes every effort to use reliable, comprehensive information, but we make no representation that it is accurate or complete. We have no obligation to tell you when opinions or information in Morgan Stanley Research change apart from when we intend to discontinue equity research coverage of a subject company. Facts and views presented in Morgan Stanley Research have not been reviewed by, and may not reflect information known to, professionals in other Morgan Stanley business areas, including investment banking personnel.

Morgan Stanley Research personnel may participate in company events such as site visits and are generally prohibited from accepting payment by the company of associated expenses unless pre-approved by authorized members of Research management.

Morgan Stanley may make investment decisions that are inconsistent with the recommendations or views in this report.

To our readers based in Taiwan or trading in Taiwan securities/instruments: Information on securities/instruments that trade in Taiwan is distributed by Morgan Stanley Taiwan Limited ("MSTL"). Such information is for your reference only. The reader should independently evaluate the investment risks and is solely responsible for their investment decisions. Morgan Stanley Research may not be distributed to the public media or quoted or used by the public media without the express written consent of Morgan Stanley. Any non-customer reader within the scope of Article 7-1 of the Taiwan Stock Exchange Recommendation Regulations accessing and/or receiving Morgan Stanley Research is not permitted to provide Morgan Stanley Research to any third party (including but not limited to related parties, affiliated companies and any other third parties) or engage in any activities regarding Morgan Stanley Research which may create or give the appearance of creating a conflict of interest. Information on securities/instruments that do not trade in Taiwan is for informational purposes only and is not to be construed as a recommendation or a solicitation to trade in such securities/instruments. MSTL may not execute transactions for clients in these securities/instruments.

INDUSTRY COVERAGE: Greater China Technology Hardware

COMPANY (TICKER)	RATING (AS OF)	PRICE* (06/12/2026)

Andy Meng, CFA		
AAC Technologies Holdings (2018.HK)	O (01/29/2024)	HK$42.92
Accelink Technologies Co. Ltd. (002281.SZ)	U (05/12/2022)	Rmb204.97
BYD Electronics (0285.HK)	O (04/28/2023)	HK$24.78
China TransInfo Technology Co Ltd (002373.SZ)	E (07/18/2023)	Rmb7.40
Dahua Technology Co. Ltd. (002236.SZ)	E (12/12/2024)	Rmb15.95
Eoptolink Technology Inc Ltd (300502.SZ)	O (02/27/2026)	Rmb506.46
Genius Electronic Optical Co. Ltd. (3406.TW)	E (04/23/2025)	NT$662.00
Gosuncn Technology Group Co Ltd (300098.SZ)	U (11/07/2022)	Rmb4.96
HIKVision Digital Technology (002415.SZ)	E (12/12/2024)	Rmb30.24
Largan Precision (3008.TW)	E (10/17/2025)	NT$4,020.00
LianChuang Electronic Technology Co Ltd (002036.SZ)	U (06/12/2024)	Rmb7.86
OFILM Group Co Ltd (002456.SZ)	U (06/12/2024)	Rmb8.70
Q Technology (Group) Company Ltd (1478.HK)	U (03/23/2026)	HK$8.13
Quectel Wireless Solutions Co Ltd (603236.SS)	E (10/09/2024)	Rmb55.50
Shanghai Conant Optical Co Ltd (2276.HK)	O (04/10/2026)	HK$38.58
Shenzhen Transsion Holdings Co Ltd (688036.SS)	E (03/23/2026)	Rmb53.67
Sunny Optical (2382.HK)	E (03/23/2026)	HK$71.55
Suzhou TFC Optical Communication Co Ltd. (300394.SZ)	E (11/06/2025)	Rmb280.95
Wingtech Technology Co Ltd (600745.SS)	U (05/18/2026)	Rmb17.36
Xiaomi Corp (1810.HK)	O (04/14/2021)	HK$26.20
Yangtze Optical Fibre and Cable JSC Ltd (601869.SS)	U (10/13/2021)	Rmb436.50
Yangtze Optical Fibre and Cable JSC Ltd (6869.HK)	E (04/20/2023)	HK$226.60
Yongxin Optics Co Ltd (603297.SS)	E (11/15/2022)	Rmb117.30
Zhejiang Crystal-Optech Co Ltd (002273.SZ)	O (11/15/2022)	Rmb32.39
Zhongji Innolight Co Ltd (300308.SZ)	++	Rmb1,149.00
ZTE Corporation (0763.HK)	O (06/04/2026)	HK$26.00
ZTE Corporation (000063.SZ)	E (06/04/2026)	Rmb36.35
Derrick Yang		
Accton Technology Corporation (2345.TW)	O (06/06/2024)	NT$2,335.00
Advantech (2395.TW)	O (01/20/2021)	NT$473.00
AirTAC International (1590.TW)	O (04/16/2025)	NT$1,290.00
AU Optronics (2409.TW)	E (02/10/2026)	NT$23.50
Bizlink (3665.TW)	O (03/10/2025)	NT$2,310.00
BOE Technology (000725.SZ)	O (09/06/2019)	Rmb5.57
Chenbro (8210.TW)	O (07/23/2025)	NT$1,475.00
Chroma Ate Inc. (2360.TW)	O (10/05/2021)	NT$2,295.00
E Ink Holdings Inc. (8069.TWO)	O (05/11/2026)	NT$196.00
Ennostar Inc (3714.TW)	U (09/23/2022)	NT$64.40
Hiwin Technologies Corp. (2049.TW)	O (03/30/2026)	NT$323.50
Innolux (3481.TW)	E (04/07/2025)	NT$48.55
King Slide Works Co. Ltd. (2059.TW)	O (11/08/2023)	NT$6,910.00
Lens Technology (300433.SZ)	E (07/22/2020)	Rmb41.14
Radiant Opto-Electronics Corporation (6176.TW)	E (03/01/2024)	NT$91.30
Sanan Optoelectronics (600703.SS)	U (08/21/2023)	Rmb13.92
TCL Corp. (000100.SZ)	E (04/07/2025)	Rmb4.55
Tianma Microelectronics (000050.SZ)	U (01/24/2018)	Rmb7.51
Wuhan Jingce Electronic Group Co Ltd (300567.SZ)	E (11/26/2021)	Rmb196.30
Howard Kao		
Acer Inc. (2353.TW)	U (04/23/2025)	NT$36.70
Asustek Computer Inc. (2357.TW)	U (11/16/2025)	NT$785.00
Compal Electronics (2324.TW)	U (04/23/2025)	NT$36.35
FIT Hon Teng Ltd (6088.HK)	O (11/03/2025)	HK$7.36
Giga-Byte Technology Co. Ltd. (2376.TW)	E (11/16/2025)	NT$342.00
Gold Circuit Electronics Ltd. (2368.TW)	O (10/06/2022)	NT$1,320.00

Inspur Electronic Information (000977.SZ)	E (08/28/2023)	Rmb57.86
Lenovo (0992.HK)	E (11/16/2025)	HK$22.34
Lotes Co. Ltd. (3533.TW)	E (05/12/2025)	NT$2,240.00
Nan Ya PCB (8046.TW)	O (02/23/2026)	NT$819.00
Pegatron Corporation (4938.TW)	E (03/25/2026)	NT$93.10
Quanta Computer Inc. (2382.TW)	O (05/01/2023)	NT$372.00
Shengyi Technology Co Ltd. (600183.SS)	E (05/26/2022)	Rmb151.28
Shennan Circuits Co Ltd (002916.SZ)	E (08/24/2023)	Rmb379.50
Unimicron (3037.TW)	O (02/23/2026)	NT$902.00
Wistron Corporation (3231.TW)	O (07/12/2023)	NT$156.00
Wiwynn Corp (6669.TW)	O (11/10/2025)	NT$4,850.00
Yageo Corp. (2327.TW)	O (10/28/2025)	NT$855.00
Zhen Ding (4958.TW)	O (05/18/2026)	NT$552.00
Sharon Shih		
Asia Vital Components Co. Ltd. (3017.TW)	O (07/30/2024)	NT$2,405.00
Auras Technology Co Ltd (3324.TWO)	E (05/04/2023)	NT$1,055.00
Catcher Technology (2474.TW)	U (11/17/2025)	NT$205.50
Delta Electronics Inc. (2308.TW)	O (07/13/2017)	NT$2,215.00
Fositek Corp (6805.TW)	O (06/25/2025)	NT$1,825.00
Foxconn Industrial Internet Co. Ltd. (601138.SS)	O (07/10/2019)	Rmb70.13
Foxconn Technology (2354.TW)	U (04/23/2025)	NT$57.00
GoerTek Inc (002241.SZ)	U (04/23/2025)	Rmb23.01
Hon Hai Precision (2317.TW)	O (03/15/2024)	NT$260.50
LandMark Optoelectronics Corporation (3081.TWO)	E (03/26/2026)	NT$2,195.00
Lingyi Itech Guangdong Co (002600.SZ)	U (04/23/2025)	Rmb14.01
Lite-On Technology (2301.TW)	E (01/15/2025)	NT$217.00
Luxshare Precision Industry Co., Ltd. (002475.SZ)	O (10/24/2016)	Rmb63.76
Sunonwealth Electric Machine Industry Co (2421.TW)	E (02/23/2024)	NT$144.00
Tong Hsing (6271.TW)	E (03/18/2019)	NT$238.50
Visual Photonics Epitaxy Co Ltd (2455.TW)	E (09/11/2023)	NT$352.00

Stock Ratings are subject to change. Please see latest research for each company.
* Historical prices are not split adjusted.