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Tablet and Chromebook Shipments Continued to Decline in Q3

Worldwide tablet shipments were down 8.8% year over year in the third quarter of 2022 (3Q22), totaling 38.6 million units, according to preliminary data from the International Data Corporation (IDC) Worldwide Quarterly Personal Computing Device Tracker. This was the fifth straight quarter of decline for the tablet market.



Chromebook shipments also struggled in 3Q22, falling to 4.3 million units and a year-over-year decline of 34.4%. Both markets have now shifted from supply constrained industries to ones that are demand challenged as consumer and education spending has slowed in the face of economic uncertainties.

Chinese vendors continue to do well in emerging markets where there is low-end demand. Sanctions from many vendors also enabled Chinese vendors like Huawei to perform well in the Russian market. Meanwhile, the emergence of low-priced Chinese OEMs like Realme, Xiaomi, Oppo and others, has fueled strong competition in the lower range devices. However, these gains still couldn't offset the decline experienced by the main tablet vendors.

"After massive growth in 2020 and 2021, a decline in the tablet market was expected in 2022. The market is now experiencing not only a slowdown in demand, but also some strong macro-economic headwinds. Even though most tablets (Android) and Chromebooks are lower cost, we're now seeing buyer concerns even at the low end. This is largely driven by these rising economic concerns," said Anuroopa Nataraj, senior research analyst with IDC's Mobility and Consumer Device Trackers. "However, tablets

have found many more use cases since the pandemic, from their role in the workspace to both in-person and remote learning, entertainment, and even digital transformations across various verticals."

"Chromebooks face a number of challenges in the industry, not all of which are because of limitations to the platform," said Ryan Reith, group vice president with IDC's Worldwide Mobile and Consumer Device Trackers. "We firmly believe Chromebooks will continue to play a fundamental role in personal computing, and ultimately grow in presence compared to other existing platforms. But the growth will continue to be tempered as the industry adapts to this new environment we are all living in. We have seen many of the large PC brands prioritize around opportunities within the Windows PC space, and without their support from the supply side the Chrome market will continue to move rather slowly."

Top Five Tablet Companies, Worldwide Shipments, Market Share, and Year-Over-Year Growth, Q3 2022
(Preliminary results, combined company view for the current quarter only, shipments in millions)

Company	3Q22 Unit Shipments	3Q22 Market Share	3Q21 Unit Shipments	3Q21 Market Share	Year-Over-Year Growth
1. Apple	14.5	37.5%	14.7	34.6%	-1.1%
2. Samsung	7.1	18.4%	7.4	17.5%	-4.0%
3. Amazon.com	4.3	11.1%	4.7	11.1%	-8.1%
4. Lenovo	2.7	7.0%	4.3	10.1%	-36.6%
5. Huawei	2.4	6.2%	2.3	5.5%	2.0%
Others	7.6	19.7%	9.0	21.2%	-15.3%
Total	38.6	100.0%	42.4	100.0%	-8.8%

Source: IDC Worldwide Quarterly Personal Computing Device Tracker, October 31, 2022

Top Five Chromebook Companies, Worldwide Shipments, Market Share, and Year-Over-Year Growth, Q3 2022
(Preliminary results, combined company view for the current quarter only, shipments in millions)

Company	3Q22 Shipments	3Q22 Market Share	3Q21 Shipments	3Q21 Market Share	Year-Over Year Growth
1. Acer Group	1.0	23.9%	1.4	20.6%	-23.8%
2. Dell Technologies	0.9	21.6%	1.2	17.7%	-19.9%
3. HP Inc.	0.8	18.5%	1.1	16.6%	-26.8%
4. Lenovo	0.7	16.5%	1.6	24.0%	-54.8%
5. Samsung	0.3	7.9%	0.5	8.3%	-37.1%
Others	0.5	11.6%	0.9	12.9%	-41.4%
Total	4.3	100.0%	6.6	100.0%	-34.4%

Source: IDC Worldwide Quarterly Personal Computing Device Tracker, October 31, 2022

- Data is preliminary and subject to change.
- Shipments include shipments to distribution channels or end users. OEM sales are counted

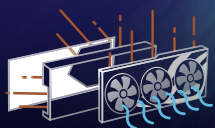
- under the company/brand under which they are sold.
- The "Company" represents the current par-

- ent company (or holding company) for all brands owned and operated as subsidiary.
- Chromebook numbers include Notebook PCs running Chrome OS.



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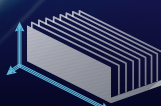
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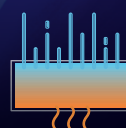
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Jobs in Automation & Telecom industries on the rise

The ongoing global economic contraction has trickled down to India with recruiters adopting a cautious approach to hiring. The Monster Employment Index (MEI) registered a 6% drop in hiring activity in October 2022 vis-à-vis October 2021.



Month-on-month job postings also noted a 5% decline. This can be attributed to changing patterns in the start-up ecosystem, funding winter and fears of an upcoming recession. However, with companies ramping up internal initiatives to facilitate growth and government interventions in promising sectors, hiring projections for the coming months are expected to pick up.

Jobs in automation showcased a remarkable increase (+34%) in hiring activity with companies maximising efficiency and productivity through tech. Similarly, industries such as Banking & Finance and Telecom did well, with technology driving innovation and growth in both sectors. Artificial intelligence and Blockchain are transforming the BFSI sector, similarly the onset of 5G is transforming the growth of telecom.

Tier 2 cities such as Coimbatore and Ahmedabad posted a marginal incline in job activity on an annual basis whereas demand fell in major metropolitan cities of India.

Commenting on job trends for October 2022, **Sekhar Garisa, CEO – Monster.com, a Quess company** said, “Technology is no longer an element of differentiation in organisations. It is now imperative for every industry to rapidly digitise and move forward. Sectors such as BFSI and Telecom which have adopted new-age tech are now reaping rewards with increased investments and job creation. While macroeconomic conditions have pushed companies to adopt a watchful approach to hiring, the need for skilled talent is unlikely to ever go away. Hence, it is important that today’s workforce upskill and reskill themselves on an individual and organisational level.”

Key industries such as Telecom and Finance continue on an upward hiring incline

While there has been a noticeable slowdown

in hiring among industries following months of robust job demand, key sectors such as Automation, BFSI and Telecom continue to show an increased intent to hire.

The sustained success of the Indian BFSI sector (+12%) has been attributed to a variety of factors including government involvement, access to technologies, and a surge in investor capital. The Fintech ecosystem in particular continues to rival markets worldwide marked by increased digital adoption in the industry, rise in neo banking and penetration in large underserved markets. The rollout of 5G services has led to a significant uptick (+9%) in the Telecom sector as well. Several players in the telecom market are expanding their digital footprint and are on the lookout for tech talent armed with specialised knowledge. This demand is majorly driven for skills such as Devops, Full stack, React Native, Cloud, Open Stack, Edge Computing, Robotic Process Automation (RPA), Juniper, Big Data and Python, which account for 72% of the total jobs in the sector. The Garments and Jewellery (+7%) industry also registered an increase in hiring activity followed by Retail (+5%) with increased sales due to the onset of the festive season.

However, industries such as BPO/ITES (-16%) and Media & Entertainment (-24%) continued to demonstrate a declining trend in October 2022 from the year-ago level. IT (-19%) hiring has slowed down facing increased margin pressure, rising costs and inflation. Jobs in Education (-11%) are also on the decline following major upheavals in the Ed-tech industry which is haunted by cost cuts and pressure to show profits.

In the midst of nationwide hiring downturn, job activity steadies in tier 2 cities

It is interesting to note among the locations monitored by the Index, tier 2 cities have reported a positive growth on an annual basis. Coimbatore and Ahmedabad hold steady this month with a marginal increase in hiring at 1% annually.

Among tier 1 cities, hiring remained stable in Mumbai whereas metros such as Bangalore (-11%), Kolkata (-14%), Delhi-NCR (-2%) and Hyderabad (-5%) posted a downward trend in recruitment activities. However, jobs in BFSI saw high demand across most Tier 1 cities monitored by the Index. Moreover, increased consumer demand due to

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the festive season has enabled the Production and Manufacturing sector to exhibit stable annual growth in tier 1 cities such as Bangalore, Chennai and Mumbai.

The intent to hire in Tier-2 cities such as Baroda (-22%), Chandigarh (-16%) and Kolkata (-14%) have also showcased an annual dip.

Demand for Finance and Accounts roles grow on the back of growing digitization

In October, job posting activity in 9 out of the 11 functional areas monitored by the Index dipped. With rapid development and continued growth in Indian BFSI, demand for Finance and Accounts (+11%) professionals exceeded the year-ago level. With consistent use of new-age tech such as AI, ML, and IoT, the need for highly skilled professionals across the sector has surged and is expected to grow in the coming months. The demand for Travel and Hospitality (+1%) roles have also seen a marginal incline following the festive holiday season.

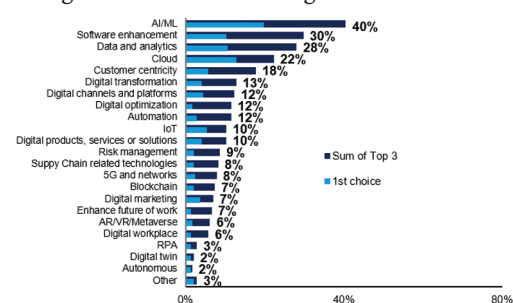
The healthcare industry in India has been subject to a whirlwind of changes since the pandemic. The 23% drop in online hiring activity for Healthcare roles could also be attributed to growing health-tech innovations in the sector as well as the drop in demand for professionals in the pharmaceuticals sector. Demand for roles in Supply chain (-20%) and Engineering/Production (-20%) contracted significantly in October 2022.

Only 35% of Board Directors Have Achieved or Are on Track to Achieving Digital Transformation Goals

Eighty-nine percent of board directors say that digital business is now embedded in all business growth strategies, according to a new survey from Gartner, Inc. However, just 35% of board directors report that they have achieved or are on track to achieving digital transformation goals.

“Boards of directors (BoDs) have reached a point where digital business strategy and overall business strategy are one and the same,” said Jorge Lopez, Distinguished VP Analyst at Gartner. “While CIOs have made significant progress leveraging technology for operational excellence, this is not

enough to realize the strategic business benefits



that BoDs are looking for from digital investments.

“As enterprises increasingly operate in a world of constant disruption, the most future-savvy boards are considering how upheavals and risks can serve as a source of opportunity. CEOs and CIOs will need to adopt this mindset as technology plays an ever-expanding role in driving business success.” Gartner analysts presented the survey findings during Gartner IT Symposium/Xpo™ 2022, taking place here through Thursday. The 2023 Gartner Board of Directors Survey was conducted via an online survey from June through July 2022 among 281 respondents in North America, Latin Amer-

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ica, Europe and Asia/Pacific, who are in a board of director role or a member of the corporate board of directors.

CEOs Seen as Responsible for Driving Digital Business

BoDs cited CEOs as the primary leader responsible for driving digital business initiatives within the enterprise, selected by 28% of survey respondents. This is ahead of the CTO and CIO, cited as the primary digital leader by 19% and 14% of board directors, respectively.

“Historically, boards have looked to IT to lead digital business,” said Partha Iyengar, Distinguished VP Analyst at Gartner. “Yet given the macro and strategic benefits boards are now expecting from digital business, they now rightly expect to hold the CEO directly accountable for its success, similar to the accountability that CEOs have for enterprise revenue or growth.”

Boards Look to ‘Breakthrough’ Technologies for Innovation

Boards are looking to invest in ‘breakthrough’

technologies that will drive digital business and enterprise success. Forty percent of board directors consider artificial intelligence (AI) and machine learning technologies to be imperative to digital business success in their organization, the most-cited response.

Board directors cited software enhancement as their second-highest priority among breakthrough technologies, selected as an area for investment by 30% of respondents.

“Boards are seeking to modernize and enhance bedrock such as enterprise resource planning (ERP) and customer relationship management (CRM) tools,” said Lopez. “In practice they are often complex and rigid, when enterprises need agility and change.”

Board Directors Increase Risk Appetites

Risk-taking is a key component of digital acceleration. The survey found that 64% of board directors are planning to increase their risk appetite through 2024, climbing seven percentage points from the previous year’s survey findings.

“Boards recognize that decision making in a turbulent business environment requires a higher level of risk,” said Lopez. “This risk-taking ability is critical to competing at the speed of innovation.”

Many BoDs are also expanding their vision for digital business success to focus on a ‘digital economic architecture,’ with 71% of board directors reporting that they are pursuing or plan to pursue such an economic structure this year. A digital economic architecture is the approach that non-digital enterprises can use to achieve similar economic benefits – including growth, profitability, market cap and brand value – as digital giants have achieved via their ‘born digital’ business models.

“The evolution from the traditional focus on quarterly returns to a longer-term focus requires a significant change in mindset,” added Iyengar. “Boards must recognize and leverage new sources of production and value, which requires a greater ability to accept, and even embrace, risk.”

Smartphone Market Suffers Fifth Consecutive Decline in Global Shipments in Q3 2022

Worldwide smartphone shipments declined 9.7% year over year to 301.9 million units in the third quarter of 2022 (3Q22), according to preliminary data from the International Data Corporation (IDC) Worldwide Quarterly Mobile Phone Tracker. The drop marks the largest-ever third quarter decline and the fifth consecutive quarter of decline for the smartphone market as shipments continue to struggle amidst weakened global demand and economic uncertainties.

“A majority of the decline came from emerging markets where lack of demand, rising costs, and inflation impacted consumers with lesser disposable incomes,” said Nabila Popal, research director with IDC’s Worldwide Tracker team. “With high inventory coming into the quarter, shipments and orders by OEMs were further reduced in an attempt to deplete inventory. Although Chinese vendors continue to suffer the most, all vendors were impacted, including Samsung and Apple. While Apple is the only vendor to deliver positive growth this quarter, it still faced challenges as its growth was stunted

in many markets, including China, due to the poor macroeconomic situation. Looking to 2023, the market’s expected recovery, which we continue to believe will happen, will be pushed further into the year. Moreover, we now expect a steeper shipment decline for 2022 and a softer recovery in 2023.”

From a regional standpoint, all regions except for Central and Eastern Europe are expected to decline in 3Q22 and for the entire year. Previous expectations for China should remain relatively unchanged at a decline of just over 12% for the quarter. Given the size of China, that has a significant impact on the global results. Developed markets like North America, Western Europe, and Japan will do moderately better, but this still implies low to mid-single-digit declines. Emerging markets in Asia/Pacific, Latin America, the Middle East, and Africa should see a more significant double-digit declines.

“We’re seeing some unique dynamics unfold across the globe regarding smartphone sales,” said Ryan Reith, group vice president with IDC’s Worldwide Mobile and Consumer

Device Trackers. “Developed markets that often sell more premium devices are faring better than emerging markets where smartphones sell for a fraction of the cost. We believe this is largely supported by the expansion of installment plans offered through telcos, retail channels, and even direct from vendors. Promotional activity around trade-in offers also supports that shift. However, as we look toward next year and beyond, if the global market is going to grow, it will need a strong recovery in emerging markets to make that happen.”

Despite the challenging environment, vendor positioning did not change from last quarter. Samsung held the top spot with a 21.2% share, Apple came in second with a 17.2% share, while Xiaomi came in third with a 13.4% share. vivo and OPPO ended the quarter tied* for the fourth position, each with 8.6% share. Except for Apple, all the top vendors suffered year-on-year declines. However, while Samsung and Xiaomi registered single-digit declines, vivo and OPPO continued to suffer high double-digit decreases.

Top 5 Companies, Worldwide Smartphone Shipments, Market Share, and Year-Over-Year Growth, Q3 2022 (Preliminary results, shipments in millions of units)					
Company	3Q22 Shipments	3Q22 Market Share	3Q21 Shipments	3Q21 Market Share	Year-Over-Year Change
1. Samsung	64.0	21.2%	69.5	20.8%	-7.8%
2. Apple	51.9	17.2%	51.1	15.3%	1.6%
3. Xiaomi	40.5	13.4%	44.3	13.3%	-8.6%
4. vivo*	25.9	8.6%	33.3	10.0%	-22.1%
4. OPPO*	25.8	8.6%	33.2	9.9%	-22.3%
Others	93.6	31.0%	102.7	30.7%	-8.8%
Total	301.9	100.0%	334.2	100.0%	-9.7%
Source: IDC Worldwide Quarterly Mobile Phone Tracker, October 27, 2022					



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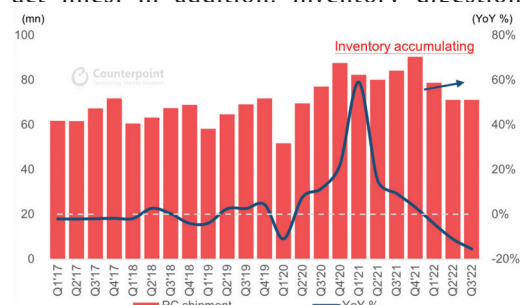
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Global PC shipments' double-digit crash in Q3

Global PC shipments fell 15.5% YoY in Q3 2022 to reach 71.1 million units recording another wave of huge YoY declines after the severe annual and sequential falls in Q2, according to Counterpoint Research data. The Q3 2022 decline was largely due to demand weakness across both consumer and commercial markets, which was mainly driven by global inflation. Despite components shortage issues being largely resolved, OEMs and ODMs are holding a relatively conservative view on Q4 2022 and first half of 2023.

The lull in PC demand continued in the quarter despite broad promotional activities from major OEMs, especially for consumer product lines. In addition, inventory digestion processes have been activated to deal with abnormally high levels as we enter the second half of the year. Although it is the season of peak consumer device sales, PC OEMs believe the destocking process will continue into 2023. Based on our conversations with supply chain members, especially with com-



ponents suppliers, the largest inventory numbers were in Q3 2022 and will likely begin to decline in coming quarters but there is uncertainty within the supply chain on when shipment growth will restart.

Lack of consumer demand in the back-to-school season, shrinking enterprise purchasing due to economic uncertainty and increasing promotional events all created a drag on Average Selling Price (ASP) growth momentum and also impacted PC market revenue.

Apple reported a counter-market 7% YoY shipment growth amid muted market momentum, thanks to its new product launch in late Q2 with shipments refilled after the China lockdowns in Q2 that interrupted ODM manufacturing schedules. Meanwhile, Asus reported a 9% YoY shipment decline in the quarter, reflecting a relatively resilient performance due to its enterprise focused strategy, in line with management's target of outperforming shipment in 2022.

Lenovo booked a 16% YoY decline, largely in-line with the global PC market, consumer demand weakness was partly offset by enterprise spending. Its 23.7% market share remains flattish compared to last year, reflecting Lenovo's strong position efforts to cope with a shaky market.

HP took an 18% share in Q3 with 12.7 million unit shipments. This is the second quarter of lower than 20% market share by HP since 2016, largely due to its higher consumer mix, which meant it exited Q3 with a 26.5% YoY decline.

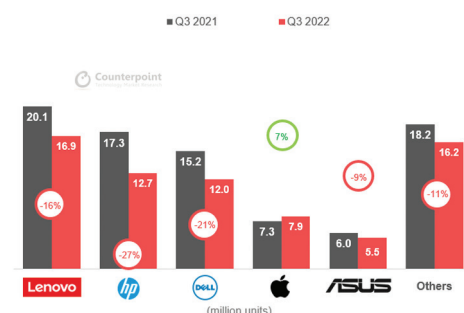
Dell also reported more than a 20% YoY shipment

decline with and 17% market share. Its 12 million units were a bit higher than Q3 2020, right before Dell began to benefit from working style changes post the initial waves of COVID.

PC market unlikely to grow until H2 2023

Overall, global PC shipments in the second half of 2022 will still be comparatively higher than the level before Covid broke out. However, Chip maker AMD claimed that PC market weakness already caused negative impacts to its results and outlook; while the management of Taiwan OEMs Acer and Asus, both shared their views that the PC industry will not recover until H2 2023.

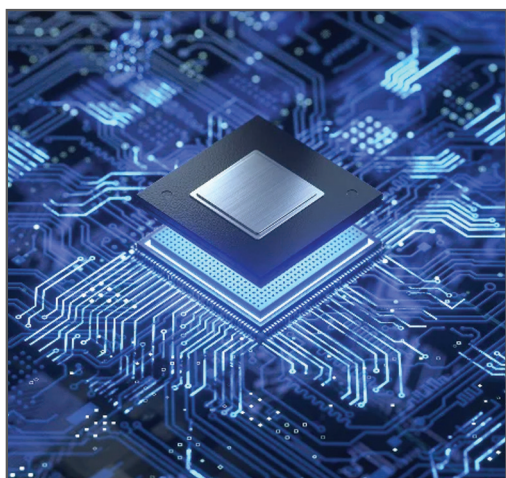
Looking into 2023, the sky is still covered by dark clouds. We are also adjusting our 2022 shipment forecast to a 13% YoY decline on soft PC demand.



Among all PC product segments, we believe Arm-based PCs and gaming PCs are poised to weather the market downturn best, with the help from Apple's M-series offerings as well as incremental R&D efforts from chip makers and the wider ecosystem.

Global 300mm Semiconductor Fab Capacity Projected To Reach New High In 2025

Semiconductor manufacturers worldwide are forecast to expand 300mm fab capacity at a nearly 10% compound average growth rate (CAGR) from 2022 to 2025, reaching an all-time high of 9.2 million wafers per month



(wpm), SEMI announced today in its 300mm Fab Outlook to 2025 report. Strong demand for automotive semiconductors and new government funding and incentive programs in multiple regions are driving much of the

growth.

New fabs announced by companies including GlobalFoundries, Intel, Micron, Samsung, SkyWater Technology, TSMC and Texas Instruments are ramping in 2024 or 2025 to help meet the growth in demand.

"While shortages of some chips have eased and supply of others has remained tight, the semiconductor industry is laying the groundwork to meet longer-term demand for a broad range of emerging applications as it expands 300mm fab capacity," said Ajit Manocha, SEMI President and CEO. "SEMI is currently tracking 67 new 300mm fabs or major additions of new lines expected to start construction from 2022 to 2025."

Regional Outlooks

China is projected to increase its global share of 300mm front-end fab capacity from 19% in 2021 to 23% in 2025, reaching 2.3 million wpm, a rise driven by factors including growing government investments in the domestic chip industry. With the growth, China is nearing global leader Korea in 300mm fab capacity and expected to overtake Taiwan, now in second place, next year.

Taiwan's worldwide capacity share is expected to slip 1% to 21% from 2021 to 2025, while Korea's share is also projected to edge lower 1% to 24% during the same period. Japan's share of worldwide 300mm fab capacity is on a path to fall from 15% in 2021 to 12% in 2025 as competition with other regions increases. The Americas' global share of 300mm fab capacity is forecast to rise from 8% in 2021 to 9% in 2025, driven partly by U.S. CHIPS Act funding and incentives. Europe/Mideast is projected to increase its capacity share from 6% to 7% during the same period on the strength of European CHIPS Act investments and incentives. Southeast Asia is expected to maintain its 5% share of 300mm front-end fab capacity during the forecast period.

Projected Capacity Growth Rates by Product Type

From 2021 to 2025, the 300mm Fab Outlook to 2025 shows Power-related capacity with the strongest growth at a 39% CAGR, followed by Analog at 37%, Foundry at 14%, Opto at 7% and Memory at 5%.

The latest update of the SEMI 300mm Fab Outlook to 2025 report tracks 356 current and future fabs.

AMD Unveils World's Most Advanced Gaming Graphics Cards

AMD unveiled new graphics cards built on the next-generation high-performance, energy-efficient AMD RDNA™ 3 architecture – the AMD Radeon™ RX 7900 XTX and Radeon RX 7900 XT graphics cards.



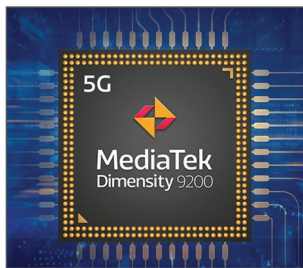
Following on the highly successful AMD “Zen”-based AMD Ryzen™ chiplet processors, the new graphics cards are the world's first gaming graphics cards to feature an advanced AMD chiplet design. They deliver exceptional performance and superb energy efficiency to power high-framerate 4K and higher resolution gaming in the most demanding

titles.

The AMD RDNA 3 architecture's chiplet design combines 5nm and 6nm process nodes, each optimized for specific jobs. The breakthrough architecture delivers up to 54% more performance per watt than AMD RDNA 2 architecture¹, and features the world's fastest interconnect linking the graphics and memory system chiplets at up to 5.3 TB/s². It also offers up to 96 new unified compute units, second-generation AMD Infinity Cache™ technology, and up to 24 GB of high-speed GDDR6 memory with up to a 384-bit memory interface. It also includes increased AI throughput that delivers up to 2.7X higher AI performance, and second-generation raytracing technology that provides up to 1.8X higher raytracing performance than AMD RDNA 2 architecture³.

MediaTek Launches Flagship Dimensity 9200 Chipset

MediaTek launched the Dimensity 9200, its latest



5G chipset powering the next era of flagship smartphones. Boasting extreme performance and intelligent power efficiency, the new SoC brings immersive all-day gaming experiences, ultra-sharp image capturing and support for both mmWave 5G and sub-6GHz connectivity to consumers around the globe. The Dimensity 9200 is the first smartphone chip to integrate an Arm Cortex X3 with operating speeds over 3GHz, and the first featuring the Arm Immortalis-G715 GPU with a hardware-based ray

tracing engine. The chipset also packs MediaTek's HyperEngine 6.0 Gaming Technology for fast, fluid action so gamers can immerse themselves in every scene, in epic detail. With support for extreme performance gaming displays, eye-catching resolution and extended foldable designs, the chipset's MediaTek MiraVision 890 display technology brings content to life.

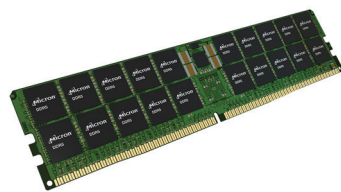
Leading in power efficiency with its eXtreme Power Saving Technology for AI-noise reduction and AI-super resolution tasks, the Dimensity 9200 provides up to 30% power savings with AI-NR and 45% power savings with AI-SR in all visual applications. The chipset's sixth generation AI Processing Unit (APU 690) enhancements include up to 35% faster performance in ETHZ5.0 benchmark compared to the fifth generation APU.

Micron DDR5 Memory Now Available for 4th Gen AMD EPYC Processors

Micron Technology, Inc., announced availability of DDR5 memory for the data center that is validated for the new AMD EPYC™ 9004 Series processors. As modern servers pack more processing cores into CPUs, the memory bandwidth per CPU core has been decreasing. Micron DDR5 alleviates this bottleneck by providing higher bandwidth compared to previous generations, enabling increased reliability and scaling. The combination of 4th Gen AMD EPYC processors and Micron DDR5 delivers up to two times memory bandwidth on the STREAM benchmark and up to two times performance improvement on select HPC workloads such as computational fluid dynamics (OpenFOAM), Weather Research and Forecasting (WRF) modeling and CP2K molecular dynamics.

“Micron continues to lead the industry transition

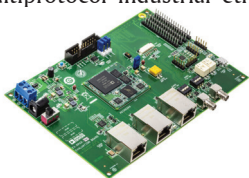
to DDR5,” said Raj Hazra, senior vice president and general manager of Micron's Compute and Networking Business Unit. “Algorithms that are increasingly memory-bound need far greater memory performance and reliability to extract insights from huge volumes of data. DDR5 provides the next significant advancement in system memory



capabilities required to enable these algorithms, thereby continuing to advance the value of next generation data center infrastructure.”

Analog Devices Announces Multiprotocol Industrial Ethernet Switch Platform

Analog Devices, Inc. announced the ADIN2299, a multiprotocol industrial ethernet switch platform,

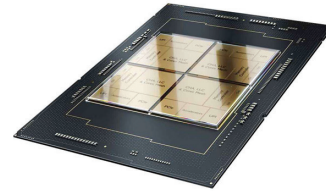


to address the connectivity needs of industrial and process automation, motion control, transportation, and energy automation. The industrial ethernet switch

platform is designed to operate in a star, line, or ring topology. The ADIN2299 is a highly integrated and tested solution that contains a communications controller, a two port 10/100Mbps ethernet switch, memory, physical layer (PHY), and protocol stacks. The ADIN2299 hardware, coupled with its software and pre-certified industrial protocols, reduces system integration time while providing fast time to market.

Intel Delivers Leading AI Performance Results on MLPerf v2.1 Industry Benchmark for DL Training

MLCommons published results of its industry AI performance benchmark in which both the 4th Generation Intel® Xeon® Scalable processor (code-named Sapphire Rapids) and Habana® Gaudi®2 dedicated deep learning accelerator logged impressive training results.



“I'm proud of our team's continued progress since we last submitted leadership results on MLPerf in June.

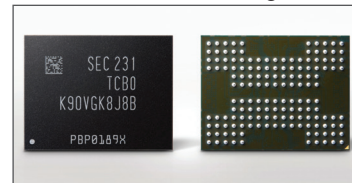
Intel's 4th gen Xeon Scalable processor and Gaudi 2 AI accelerator support a wide array of AI functions and deliver leadership performance for customers who require deep learning training and large-scale workloads.”

—Sandra Rivera, Intel executive vice president and general manager of the Datacenter and AI Group
In many data center use cases, deep learning (DL) is part of a complex pipeline of machine learning (ML) and data analytics running on Xeon-based servers that are also used to run other applications and are adaptable to workload demands changing over time. It is in these use cases that Xeon Scalable delivers the best total cost of ownership (TCO) and year-round utilization.

The 4th Generation Intel Xeon Scalable processor with Intel® Advanced Matrix Extensions (AMX), a new built-in AI accelerator, allows customers to extend the general-purpose Xeon server platform to cover even more DL use cases, including DL training and fine tuning. AMX is a dedicated matrix multiplication engine built into every core of 4th Gen Intel Xeon Scalable processors. This dedicated AI engine is optimized to deliver up to 6x higher gen-to-gen DL training model performance using industry standard frameworks.

Samsung Electronics Begins Mass Production of 8th-Gen Vertical NAND

Samsung Electronics, the world leader in advanced memory technology, as promised at Flash Memory Summit 2022 and Samsung Memory Tech Day 2022,



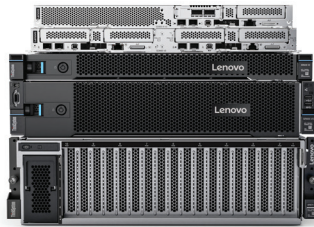
announced that it has begun mass producing a 1-terabit (Tb) triple-level cell (TLC)

eighth-generation Vertical NAND (V-NAND) with the industry's highest bit density. At 1Tb, the new V-NAND also features the highest storage capacity to date, enabling larger storage space in next-generation enterprise server systems worldwide.

“As market demand for denser, greater-capacity storage pushes for higher V-NAND layer counts, Samsung has adopted its advanced 3D scaling technology to reduce surface area and height, while avoiding the cell-to-cell interference that normally occurs with scaling down,” said SungHoi Hur, Executive Vice President of Flash Product & Technology at Samsung Electronics. “Our eighth-generation V-NAND will help meet rapidly growing market demand and better position us to deliver more differentiated products and solutions, which will be at the very foundation of future storage innovations.”

Lenovo Delivers Comprehensive AMD-Based Smarter Infrastructure Solutions for Businesses of Every Size

Lenovo introduced 21 new ThinkSystem and ThinkAgile V3 servers powered by 4th Gen AMD EPYC processors, extending breakthrough performance and industry-leading efficiency to more businesses than ever with its broadest AMD-based



smart infrastructure portfolio to date. The solutions, part of Lenovo's recently announced

Infrastructure Solutions V3 portfolio, will equip customers of all sizes with the ability to run high-performance

computing, artificial intelligence (AI) and traditional workloads across edge and multi-cloud environments smarter, faster and more efficiently. "Lenovo is enabling business transformation with edge-to-cloud server and storage solutions, helping customers harness the power of data," said Kamran Amini, Vice President and General Manager of Server & Storage, Lenovo Infrastructure Solutions Group. "Leveraging 4th Gen AMD EPYC processors' breakthrough performance with Lenovo's engineering innovation, we are providing our broadest enterprise portfolio, designed to help businesses across every industry accelerate IT modernization and achieve intelligent transformation."

New HPE ProLiant Gen11 servers deliver up to 99% higher performance

Hewlett Packard Enterprise announced record-breaking performance on the new HPE ProLiant Gen11 servers, which deliver up to 99% higher performance¹ and up to 43% more energy efficiency² compared to the previous generation, using AMD EPYC™ 9004



Series Processors launched today.

The new servers also surpass competitors in achieving better data management, decision support systems, SAP Online Transaction Processing (OLTP),

video rendering, and virtualization. To date, HPE ProLiant Gen10 Plus and Gen11 servers using 3rd and 4th Gen AMD EPYC™ processors, hold a total of 43 world records.

The new HPE ProLiant Gen11 servers are engineered for the hybrid world to deliver an intuitive cloud operating experience, trusted security by design, and optimized performance for any workload. The new servers support a range of modern workloads, including AI, analytics, cloud-native applications, graphic-intensive applications, machine learning, Virtual Desktop Infrastructure (VDI), and virtualization.

Seagate Collaborates with Marvel for Special Edition FireCuda HDDs

Seagate® announces four all-new external hard disk drives (HDD) featuring designs inspired by the stories and characters of Marvel Studios' Black



Panther. The officially licensed HDDs are available this month and join the company's line of special edition storage devices.

Paying homage to T'Challa (aka Black Panther), Shuri, and Okoye, these special edition HDDs deliver one-of-a-kind pieces of Marvel artwork to fans and highlight traits of the

characters with customizable RGB LED lighting¹: magenta to honor Black Panther, cyan for the innovative style of Princess Shuri, and yellow for the elite strength of the warrior, Okoye.

With up to 2TB of capacity, the FireCuda external HDDs are compatible with PC, Mac, PlayStation, and Xbox so tech enthusiasts can capture and access a wealth of media, files, and games, regardless of operating system². USB bus-powered and designed with USB 3.2 Gen1 connection for universal compatibility and quick transfer speeds, the lightweight drives make it easy for Black Panther fans to take their whole library on the road.

LG's New SMART Monitor Inspires New Lifestyles Full of Convenience and Flexibility

LG Electronics (LG) is unveiling the 32-inch 4K UHD LG SMART Monitor (model 32SQ780S). The all-around SMART Monitor enhances home life by



enabling a remote workstation, home exercising, next-level gaming and various entertainment applications, including popular streaming services, without a

PC connection. Thanks to its built-in features and LG's ergonomic stand with maximum adjustability,

the unique 32SQ780S allows users to enjoy the content love how they want and when they want, at their desk or on the sofa.

Under the brand's motto of 'Work Smarter, Play Better', LG SMART Monitor prioritizes multitasking to give consumers seeking a single display that connects to their desktop, laptop or gaming device the perfect way to get everything done in one place. Supporting LG TV's acclaimed webOS 22, this model delivers next-level convenience for content consumption with seamless streaming services for YouTube and Netflix, even without setting up a separate connection with PCs.

DIGISOL expands its Switching Portfolio, launches Unmanaged PoE Switches with 6KV lightning protection

DIGISOL Systems Ltd. a leading provider of Trusted "Made in India" Products and IT Networking Solutions, extends its switching portfolio with the launch of new Unmanaged Switches – DG-GS1010PF-B



DIGISOL 8 Port PoE Gigabit Unmanaged Switch with 2 Uplink Ports, DG-FS1010PF-B

DIGISOL 8 Port PoE Fast Ethernet Unmanaged Switch with 2 Uplink Ports, DG-FS1006PF-B DIGISOL 4 Port PoE Fast Ethernet Unmanaged Switch with 2 Uplink Ports and with features like 6KV lightning protection, 250m cable distance supported in surveillance mode and very high PoE budget of upto 150W on 8 port models in the range.

Announcing the launch, Samir Kamat, Sales Head-Active Products, Digisol System Ltd. said, "Switches play a very crucial role in network connectivity by acting as a hub connecting network devices with various users in its network. It is important to choose a switch that continuously works without breakdown specially Power Over Ethernet switches where crucial network components like Surveillance Camera's/ WIFI Access points are connected, no matter what the weather condition. DG-FS1006PF-B, DG-FS1010PF-B and DG-GS1010PF-B are Unmanaged Switches that feature 6KV lightning protection. Even in thunderstorms, the switches will effectively protect themselves from being damaged and provides reliable and stable connectivity."

boAt launches 'Wave Ultima' BT Calling Smartwatch

Introducing a refreshing new design in smartwatches, boAt (Imagine Marketing), India's No.1 audio and wearables brand, announces 'Wave Ultima.' The boAt Wave Ultima sports a large



super-bright crack-resistant Curve Arc Display™ and the latest in health and fitness features that no other smartwatch offers in the segment.

Designed in India by the brands' very own R&D department called 'boAt Labs™',

Ultima sports a unique curved body to ensure the best comfortable fit for day and night use. It features a large crack-resistant 1.8" 500-nit Super-Bright Edge-to-Edge Always On Curved Arc Display™ offering a bold, vibrant, and highly responsive user interface. Thanks to the skin-friendly premium soft silicone straps offered in 3 vibrant colors — Raging Red, Active Black, and Teal Green, the Wave Ultima is Sporty yet elegant, and lets you carry your health on your wrist, sophisticatedly and comfortably, encased in a light-weight Aluminum alloy dial.

Beneath that elegant dial is the latest smartwatch chip that offers the latest in wearable tech available today. It features a Bluetooth v5.3 chip for superior connectivity and higher energy savings while offering ultra-seamless BT calling paired with a built-in HD speaker and a high-sensitivity microphone.

Ericsson partners with Jio

Ericsson announced that it has entered into a long-term strategic 5G contract with Indian communications service provider (CSP) Reliance Jio Infocomm Ltd. (Jio) to roll out 5G Standalone (SA) in the country. The announcement follows the allocation of 5G spectrum in the recently concluded auctions in India. This is the first partnership between Jio and Ericsson for radio access network deployment in the country.

Announcing the partnership, **Akash Ambani, Chairman, Reliance Jio**, says: "We are delighted



to partner with Ericsson for Jio's 5G SA rollout. Jio transformed the digital landscape in India with the launch of LTE services in 2016. We are confident that Jio's 5G network will accelerate India's digitalization and will serve as the foundation for achieving our nation's 'Digital India' vision."

Jio's Standalone 5G network deployment represents a major technology leap since it modernizes the network infrastructure to deliver a

truly transformative 5G experience to consumers and enterprises. The capabilities of 5G SA are expected to drive innovation and build a robust 5G ecosystem and deliver advanced services.

Ericsson's energy-efficient 5G Radio Access Network (RAN) products and solutions from Ericsson Radio System and E-band microwave mobile transport solution will be deployed in the 5G network for Jio. All products and solutions are deployed on new-build 5G SA networks, designed to maximize the benefits of 5G to CSPs and their customers – whether individual subscribers or enterprise and industry customers.



Börje Ekholm, President and CEO, Ericsson, says: "India is building world-class digital infrastructure that will drive innovation, job creation and entrepreneurship across the country. We are happy to partner with Jio in those ambitions, through Ericsson 5G Standalone connectivity, which will be a major catalyst in meeting those digital transformation goals across society, enterprise and industry."

Airtel Launches "Always On" IoT Connectivity solution

Bharti Airtel ("Airtel"), India's leading telecommunications services provider, announced the launch of the "Always On" IoT connectivity solution in India. Airtel's "Always On" solution comprises dual profile M2M eSim which allows an IoT device to always stay connected to a mobile network from different Mobile Network Operators (MNOs) in the eSIM.

The Airtel 'Always On' solution complies with the Automotive Research Association of India (ARAI)'s AIS-140 standard implemented by the Ministry of Road Transport and Highways (MoRTH). It lays down mandatory requirements related to connectivity and GPS tracking capabilities for devices in all passenger-carrying buses, private fleets and other public transport vehicles for tracking, safety and security purposes. As per law, all registered buses and taxis have to mandatorily install this device. The Government of India recently made it mandatory for vehicles carrying hazardous goods also to have a tracker installed that complies with AIS-140 standards. In addition to these, there are emergency vehicles such as ambulances, vehicles from the

mining and construction industry working in remote locations and other mission-critical and intelligent communication use cases which need higher availability and reliability of the network. With Airtel's future-ready, GSMA-compliant platform, flexible API-based eSim lifecycle management on feature-rich Airtel IoT Hub and full compliance with Department of Telecom (DoT) M2M guidelines. Airtel is looking to acquire market leadership in this segment in the next few years.

Speaking about the launch of the "Always On" AIS-140 Connectivity solution, **Ajay Chitkara,**



Director and CEO, of Airtel Business said, "We are delighted to bring Always on connectivity solution to our customers. We believe this is the next big opportunity in the IoT segment. Our strengths in the network, modern and GSMA compliant platform offering real-time access to data and flexibility to integrate the solution with custom APIs will make Airtel Business stand out in the market."

Intel Enhances Intel Partner Alliance Benefits for AI Technology Providers

Intel announced the launch of its streamlined artificial intelligence (AI) benefits within Intel Partner Alliance. With the debut of these benefits, Intel will



better serve ecosystem partners by helping independent software vendor (ISV), original equipment and device manufacturer, and system integration (SI) partners connect with new opportunities, drive innovation and accelerate business growth.

"There are a lot of business opportunities for channel partners to deliver the technology needed for business transformation, and Intel is providing the platform and solutions that partners need to be successful. Through our latest investment in AI and enablement tools, we have a highly engaged enterprise ecosystem of industry leading ISVs, SIs and enterprise end users who have optimized hundreds of solutions on Intel architecture and deployed them on AWS, GCP and Azure, and with our OEM partners. Leveraging our AI benefits and resources will enable our partners to build their AI practices and scale business faster."

Cisco announces new investment to power hybrid work across India

Doubling down on its commitment to India, Cisco announced that it has invested in a dedicated India Webex infrastructure and necessary regulatory licenses to accelerate Webex adoption across the country. The India Webex infrastructure, the first-of-its-kind dedicated to collaboration solutions in the country, includes a dedicated data center and is backed by Cisco Secure products and solutions to ensure best-in-class data privacy and security.

The data center will offer a host of services to customers and allow Cisco to sustain continued growth, facilitate a rich user experience, and deliver industry-leading security and management across the Webex Suite. In addition, local dedicated Webex infrastructure will lower operating costs, increase technical efficiencies, and enable Cisco to provide India-specific pricing for customers. Furthermore, the data center will allow Cisco to partner with more start-ups, customers, partners, and service providers in India and bring new innovations to market faster.



Dave West, President, Cisco APJC: "Our goal is to create a more inclusive work experience for the three-fold growth expected in the number of digital workers in India by 2030. If we do this right, we can level the playing field and create new opportunities, regardless of geographic borders, socioeconomic background, or language. With hundreds of millions of monthly participants, Webex is one of the few platforms with the global scale to drive this transformation, and the new data center is the latest in a series of investments Cisco has made to support the accelerating shift to hybrid work in India."

L&T Technology Services inaugurates new campus 'Module X' in Mysuru



L&T Technology Services, a leading global pure play engineering services company, announced today the opening of its new campus in Mysuru, Karnataka, to cater to the design and development of embedded solutions, digital products and software engineering.

The new Module X Campus houses eight floors with engineers in this centre working on a wide spectrum of services covering multiple industries. The state-of-the-art modern campus has a capacity to seat over 1,300 engineers who will be working on high-end projects for LTTS' Global Clientele.

The centre was inaugurated by Mr S.N. Subrahmanyam, CEO and Managing Director of L&T who also cut the ceremonial ribbon and Mr. Amit Chadha CEO & Managing Director, LTTS.

"Mysore, with its unique opportunities and pristine surroundings, is a vibrant destination for young professionals seeking the right work-life balance and is one of the key building blocks of LTTS' success story."

Amazon India and TVS Motor Company sign MoU to scale EV deployment

Amazon India and TVS Motor Company announced a strategic engagement to strengthen electric mobility, electric infrastructure and connected services. As part of this collaboration, a fleet of electric two-wheelers and three-wheelers from TVS Motor will be deployed for Amazon's last-mile deliveries. In addition, the two companies will work in tandem to examine EV use cases for various Amazon business groups for its network and logistical requirements. In order to test solutions, the two companies will pilot TVS Motor's electric vehicle solutions through partner base and delivery associates across India.

"The collaboration marks another decisive step for Amazon to achieve our goal of becoming net-zero carbon by 2040, as part of our commitment

to The Climate Pledge. Electric mobility is a significant component of our business operations and we are resolute in our commitment to transforming our transportation network to serve our customers more sustainably," said Abhinav Singh, Director – Customer Fulfillment, Supply Chain



and Global Specialty Fulfillment, Amazon India. "Our collaboration with TVS Motor strengthens our delivery network by adding electric two and three-wheelers to our existing fleet. This will support our supply chain in minimising the environmental impact of our operations and contribute to Amazon India's goal of inducting 10,000 EVs into our fleet by 2025," added Singh.

CISCO and Villgro launch accelerator program 'TVARAN' to support upcoming women-led climate solution startups in India

Villgro and CISCO India Cash Grant Program have jointly announced the launch of TVARAN, an initiative that will support the growth of India's women-led social enterprises in climate action. One of its kind in design, the program aims to expand the market presence of women-led start-ups innovating in renewable energy, water and waste management and climate-smart agriculture.

According to the World Economic Forum (source), women are more affected by climate change than men, and yet greentech is currently a male-dominated field. Moreover, it is well documented that the participation of women in climate response actions leads to better outcomes overall. However, one of the largely unaddressed challenges for women

entrepreneurs remains access to markets. TVARAN aims to overcome this problem, through a focused market-entry and market expansion program to help five of the country's upcoming women-led climate solutions.

"Powering an inclusive future for all is CISCO's purpose. Through our partnership with Villgro, we are announcing our commitment to support-



ing women entrepreneurs driving climate resilience through their business. We are excited at this unique opportunity and look forward to staying closely engaged with the startups," Harish Krishnan, Managing Director & Chief Policy Officer, CISCO India & SAARC said.

Nokia wins multi-year deal with Reliance Jio India to build one of the largest 5G networks in the world

Nokia announced that it has been selected as a major supplier by Reliance Jio to supply 5G Radio Access Network (RAN) equipment from its comprehensive AirScale portfolio countrywide in a multi-year deal. Reliance Jio is India's number one mobile operator and has one of the largest RAN footprints in the world.

Under the contract, Nokia will supply equipment from its AirScale portfolio, including base stations, high-capacity 5G Massive MIMO antennas, and Remote Radio Heads (RRH) to support different spectrum bands, and self-organizing network software. Reliance Jio plans to deploy a 5G standalone network which will interwork with its 4G network. The network will enable Reliance Jio to deliver advanced 5G services such as massive machine-to-machine communications, network slicing, and ultra-low-latency.



Akash Ambani, Chairman, Chairman Reliance Jio, commented: "We are pleased to be working with Nokia for our 5G SA deployment in India. Jio is committed to continuously investing in the latest network

technologies to enhance the experience of all of its customers. We are confident that our partnership with Nokia will deliver one of the most advanced 5G networks globally."

Pekka Lundmark, President and CEO at Nokia stated:



"This is a significant win for Nokia in an important market and a new customer with one of the largest RAN footprints in the world. This ambitious project will introduce millions of people across India to premium 5G services, enabled by our industry-leading AirScale portfolio."

Ravi Kumar resigns from Infosys as President

Ravi Kumar S. concludes his two decades long association with IT giant Infosys. In a LinkedIn post, he announced that he has resigned from the position of the company's President, effective October 11.



In the post, he mentioned, "After 20 wonderful years at Infosys, I want to let you all know that I'm moving on to explore new experiences and broaden my horizons. During these 20 years I was blessed to work with wonderful people, great leaders, extraordinary mix of experiences, running a diverse set of roles globally, imbibed a lifelong learning culture and enjoyed the entrepreneurial spirit of this wonderful platform, Infosys..."

Apart from Infosys, Ravi has several other feathers in his crown including his association with the US Chamber of Commerce as a Member of the Board of Directors.

Netcon Launches Private 5G Solutions for Industry 4.0

IT infrastructure and digital solutions provider Netcon Technologies announced the launch of its Private 5G solutions and services to support Indian enterprises



preparing for the Industry 4.0 revolution. The solutions were unveiled at the recently concluded India Mobile Congress 2022 in New Delhi. Netcon said that it will offer design, deploy-

ment, and management of customized private 5G networks for its client enterprises. The company added that its solutions are designed to support multiple use cases and are targeted at a diverse set of industries, including manufacturing, airports, seaports, healthcare, and mining, among others.

"5G will revolutionize the way enterprises connect their assets and operational resources. It will accelerate the digital transformation in Indian enterprises. Netcon would like to play a pivotal role in making the 5G technology accessible to the industries," said Mahalingam Ramasamy, Managing Director of Netcon.

RASHI PERIPHERALS PARTNERS WITH LENOVO FOR SERVERS STORAGE BUSINESS

Rashi Peripherals Limited, one of the leading value-added national distribution partners for global technology brands in India for ICT products, has partnered with Infrastructure Solutions Group (ISG), a server and storage division of Lenovo to offer data center solutions to enterprise customers. With this collaboration, the Company aims to expand its enterprise offering in the server and storage market and increase ISG's accessibility in India.

We believe this association further strengthens the Enterprise server and storage portfolio of Rashi Peripherals. The Company aims to pitch the offerings to commercial enterprises, Cloud storage providers and customers in Higher Education and Research (HER), BFSI, Data Center and Media & entertainment industry.

Commenting on the tie-up, Keshav Choudhary, Director of Rashi Peripherals Limited, said, "This is an important brand collaboration in Rashi

Peripherals' enterprise business. Our goal is to provide best-performing solutions with effective pricing. We seek to work with Lenovo to offer ISG solutions to channel partners and customers along with competitive pricing and low lead times making it possible to meet the demands of the market segments."



ments."

SUPERTRON LAUNCHES SSRDP-SUPERTRON EMPOWERMENT CENTRE FOR MOBILE REPAIRING TRAINING WITH SKILL DEVELOPMENT

As the dawn of a new era begins, Sri Sri Ravi Shankar's precious guidance and impeccable lessons



on importance of emotional and physical wellbe-

ing have inspired Mr. V.K. Bhandari, and influenced by Sri Sri and his philosophy V. K. Bhandari wants bring in human values to society.

V.K. Bhandari, CMD of Supertron has been focusing on supporting the underprivileged by providing education, health care and quality of life and also on spreading spiritual, ethical and human values since 2016.

The Foundation has associated itself with Art of Living's skill development program under its SSRDP Trust and has introduced a state of the art mobile repairing training center inside the

Art of living International Centre, Bangalore in 2021. "We have developed our close cooperation in the field of empowerment and employability enhancement of youth" said R. N. Merani, Chairman SSRDP Trust.

The initiative was aimed to provide holistic training of skill and personality development which will give opportunities to youth to move into careers of their choice. After getting a remarkable success from the first batch of students Mr. Bhandari initiates a step forward in touching the lives of thousands of youth.

ZEBRA TECHNOLOGIES EXPANDS ITS R&D FOOTPRINT IN INDIA

Zebra Technologies Corporation (ZBRA), an innovator at the front line of business with solutions and partners that deliver a performance edge, announced it will be opening a new Research and Development (R&D) center at Bagmane Solarium City in Bangalore, which is set to be Zebra's largest in Asia Pacific (APAC).

Spanning approximately 250,000 square feet (sq. ft.), Zebra's new R&D center will combine two of its existing research facilities in Bangalore under one roof. Upon its completion in the second half of 2023, the new facility can house about 1,500 employees and will focus on the R&D of Zebra's device software portfolio and antuit.ai demand forecasting, inventory planning and price optimization solutions. This new R&D center in Bangalore will complement its Pune-based R&D facility that focuses on Reflexis workforce man-

agement and task management solutions.

"While the global macroeconomic situation may have increased business uncertainty, enterprises are expected to continue investing in critical solutions to maintain the quality of customer service such as supply chain management and execution as well as customer management,"



said Rajnish Gupta, Vice President & Head for India and Sub-Continent business, Zebra Technologies. "Given the need to adapt to changes and disruptions more effectively, enterprises recognize the need for advanced solutions that can be achieved through constant R&D, to help them address complex supply chain challenges and volatile marketplaces."

LEXAR TIES UP WITH INSPIRISYS SOLUTIONS TO ENHANCE ITS AFTER-SALES SUPPORT SERVICE IN INDIA

Lexar, a global brand in flash memory solutions, has announced its partnership with Chennai-based Inspirisys Solutions Limited (ISL), a renowned brand in IT support, under which Lexar shall be using ISL's strong network of 90+ service centers in Tier 1,2 & 3 cities, to expand its after-sales service in the Indian market. The move is aimed at enhancing the customer experience of using Lexar products with ease, without worrying about warranty support in India.

Commenting on the development, Gaurav Mathur, Managing Director of Lexar Co. Ltd, said, "As Lexar is eyeing to expand its foothold in



the Indian market, it becomes equally important for the brand to register and take care of their customers' needs and provide them with easy after-sales service and solutions.

We are excited to announce our partnership with ISL Service, a company that has been a trusted name in the service provider industry, owing to its wide reach and technical support system. Since now we shall have our service centers in more than 100 cities in India, we hope that Indian consumer shall find using Lexar products more convenient"

Inspirisys Solutions Limited (ISL) – a subsidiary of CAC Holdings Corporation, Japan – is a vendor agnostic, full-service, warranty management service provider for the last 30 years in the field of IT, Healthcare, Data Storage among many others.

KINGSTON LEADS CHANNEL SSD SHIPMENTS IN 2021

Kingston Technology, a world leader in memory products and technology solutions, announced TrendForce has named it as the number one third-party supplier of SSDs in the channel for all of 2021. According to TrendForce, Kingston accounted for a massive 26 percent of the 127 million units shipped in 2021.

Although the pandemic continued to disrupt the supply of SSD related components in 2021, shipments through global distribution channels saw an annual growth rate of 11%. While production demand increased, shipment volume was affected when wafer supply was too limited

to meet order lead time. In response, Kingston adopted a flexible supply strategy along with global sourcing. The company was well ahead of its competitors considering a global pandemic and chip shortage. The results reinforced Kingston as the clear leader in SSD production, as the second-place supplier accounted for only 8 percent of the total channel market.

Growing demand for gaming SSDs with PCIe 4.0 NVMe continues to define the market landscape pushing module houses to steadily shift from SATA to PCIe.

Microsoft Cloud strength drives first quarter results

Microsoft Corp. announced the following results for the quarter ended September 30, 2022, as compared to the corresponding period of last fiscal year:

- Revenue was \$50.1 billion and increased 11% (up 16% in constant currency)
- Operating income was \$21.5 billion and

increased 6% (up 15% in constant currency)

- Net income was \$17.6 billion and decreased 14% (down 8% in constant currency)

- Diluted earnings per share was \$2.35 and decreased 13% (down 7% in constant currency)

"In a world facing increasing headwinds, digital technology is the ultimate tailwind," said Satya



Nadella, chairman and chief executive officer of Microsoft.

"In this environment, we're focused on helping our customers do more with less, while investing in secular growth areas and managing our cost structure in a disciplined way."

Apple posted september quarter record revenue of \$90.1 billion, up 8 percent year over year

Apple announced financial results for its fiscal 2022 fourth quarter ended September 24, 2022. The Company posted a September quarter record revenue of \$90.1 billion, up 8 percent year over year, and quarterly earnings per diluted share of \$1.29, up 4 percent year over year. Annual revenue was \$394.3 billion, up 8 percent year over year, and annual earnings per diluted share were \$6.11, up 9 percent year over year.

"This quarter's results reflect Apple's commitment to our customers, to the pursuit of innovation, and to leaving the world better than we found it," said Tim Cook, Apple's CEO. "As we head into the holiday season with our most pow-

erful lineup ever, we are leading with our values in every action we take and every decision we make. We are deeply committed to protecting the environment, to securing user privacy, to strengthening accessibility, and to creating products and services that can unlock humanity's full creative potential."



"Our record September quarter results continue to demonstrate our ability to execute effectively in spite of a challenging and volatile macroeconomic backdrop," said Luca Maestri, Apple's CFO. "We continued to invest in

our long-term growth plans, generated over \$24 billion in operating cash flow, and returned over \$29 billion to our shareholders during the quarter. The strength of our ecosystem, unmatched customer loyalty, and record sales spurred our active installed base of devices to a new all-time high. This quarter capped another record-breaking year for Apple, with revenue growing over \$28 billion and operating cash flow up \$18 billion versus last year."

Apple's board of directors has declared a cash dividend of \$0.23 per share of the Company's common stock. The dividend is payable on November 10, 2022 to shareholders of record as of the close of business on November 7, 2022.

WE'RE APPROACHING 2023 WITH A FOCUS ON PRIORITIZATION AND EFFICIENCY THAT WILL HELP TO EMERGE EVEN MORE STRONGER : MARK ZUCKERBERG, META FOUNDER AND CEO

Meta Platforms, Inc. reported financial results for the quarter ended September 30, 2022.

"Our community continues to grow and I'm pleased with the strong engagement we're seeing driven by progress on our discovery engine and products like Reels," said **Mark Zuckerberg, Meta founder and CEO**. "While we face near-term challenges on revenue, the fundamentals are there for a return to stronger revenue growth. We're approaching 2023 with a focus on prioritization and efficiency that will help us navigate the current environment and



emerge an even stronger company."

Third Quarter 2022 Operational and Other Financial Highlights

- Family daily active people (DAP) – DAP was 2.93 billion on average for September 2022, an increase of 4% year-over-year.
- Family monthly active people (MAP) – MAP was 3.71 billion as of September 30, 2022, an increase of 4% year-over-year.
- Facebook daily active users (DAUs) – DAUs were 1.98 billion on average for September 2022, an increase of 3% year-over-year.
- Facebook monthly active users (MAUs) – MAUs were 2.96 billion as of September 30, 2022, an increase of 2% year-over-year.

• Ad impressions and price per ad – In the third quarter of 2022, ad impressions delivered across our Family of Apps increased by 17% year-over-year and the average price per ad decreased by 18% year-over-year.

• Revenue – Revenue was \$27.71 billion, a decrease of 4% year-over-year, and an increase of 2% year-over-year on a constant currency basis. Had foreign exchange rates remained constant with the third quarter of 2021, revenue would have been \$1.79 billion higher.

• Costs and expenses – Total costs and expenses were \$22.05 billion, an increase of 19% year-over-year. This includes an impairment loss of \$413 million for certain operating leases as part of our ongoing work to align our office facilities footprint with our anticipated operating needs.

• Capital expenditures – Capital expenditures, including principal payments on finance leases, were \$9.52 billion for the third quarter of 2022.

• Share repurchases – We repurchased \$6.55 billion of our Class A common stock in the third quarter of 2022. As of September 30, 2022, we had \$17.78 billion available and authorized for repurchases.

• Cash, cash equivalents, and marketable securities – Cash, cash equivalents, and marketable securities were \$41.78 billion as of September 30, 2022.

• Long-term debt – Long-term debt was \$9.92 billion as of September 30, 2022.

Headcount – Headcount was 87,314 as of September 30, 2022, an increase of 28% year-over-year.

In millions, except percentages and per share amounts	Three Months Ended September 30,		% Change
	2022	2021	
Revenue	\$ 27,714	\$ 29,010	(4) %
Costs and expenses	22,050	18,587	19 %
Income from operations	\$ 5,664	\$ 10,423	(46) %
Operating margin	20 %	36 %	
Provision for income taxes	\$ 1,181	\$ 1,371	(14) %
Effective tax rate	21 %	13 %	
Net income	\$ 4,395	\$ 9,194	(52) %
Diluted earnings per share (EPS)	\$ 1.64	\$ 3.22	(49) %

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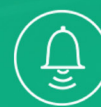
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