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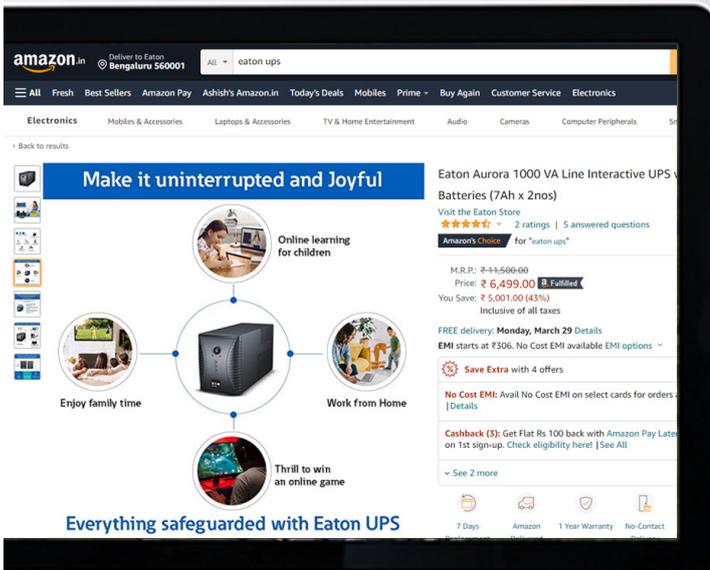




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From the Editor

Tarun Taunk | Editor-in-Chief

“Scope of 5G Technology in India and how it could change everything”

Telecommunications has become an important part in our day to day life, from making calls to using high speed mobile data internet.

From the consumer point of view, there is always a high interest in certain technologies that generally enhances the daily routine of communications with one another.

To deliver a better high speed connection transmission, 5G in India will use a new radio technology, and a low latency network architecture to provide a better network all throughout the planned area.

5G phones have already entered the Indian market, but it would take a little time to develop that infrastructure before they're ready to offer service. Department of Telecommunications had already presented off 7 frequency bands for the testing purposes.

Company like Reliance Jio has planned to make this technology available by the end of first half of this year, could start it in the second half. All the top tier telco companies like Jio, Airtel and Vi are working on to make 5G a reality in India as soon as possible.

Technically 5G can deliver upto 20Gbps of speed but in the commercial world it only offers upto 1Gbps which is still 10x faster than the current 4G LTE networks. And talking about the latency it could be as low as 1ms ping but in real world it could be around 10ms.

5G Technology could be a huge win in a place like India where the need for a fast connections is must. But certainly at a right cost. Bringing out the 5G technology, but at a reasonable cost for the Indian consumers is must.

Certain aspects do come into consideration about enabling 5G technology, the infrastructure, the tariff rates, the maintenance and the most important part will be providing the claimed services.

Airtel has already rolled out the testing phase for the 5G, and is capable of providing high-speed connection. And they also believe that India can be global hub for 5G innovation.

From performing tasks that requires high speed internet connection to daily tasks like downloading a picture, 5G can be useful. Using day to day mobile apps, surfing on internet, transferring or uploading files. There are no limitations on how 5G could be a better options for sure.

From consumers to developers of any sort, AR, VR, application, etc., high-speed connection is definitely a plus point for anyone, only that the compatible devices are must to use 5G capabilities.

A handwritten signature in black ink, appearing to be 'Tarun Taunk', located at the bottom right of the page.

Ajay Data elected as UASG's Chair

Elected for the second consecutive term.

Ajay Data (Founder and CEO of Data XGen Technologies) was elected as UASG's chair for the first time in 2019 against GoDaddy's Vice-President Richard Madinger, and now again according to the results that came out on Friday announced by ICANN, he was elected as UASG's chair again for the next term.



After completing two years, he was elected again by UASG members. Ajay is the first Indian to hold a position at Universal Acceptance Steering Group.

"I am thankful to over 600 members of UASG to elect me as a share of the Universal Acceptance Steering Group. It's also a proud moment to lead this group which is working to break the language barriers to bring billions online," Ajay said in a statement.

Jaipur-based Data XGen technologies has been bringing e-mail address in various languages for user feasibility including Hindi, Tamil, Telugu, Punjabi, Marathi and even supported development of addresses in Tahiti, Korean and Arabic.

HCL's Services on Google Cloud

They has uncovered how attack code behaves while hiding in memory and built protection against it.

HCL Technologies, a leading global technology company, and Google Cloud today announced the expansion of their strategic partnership to bring HCL Software's Digital Experience (DX) and Unica Marketing cloud-native platforms to Google Cloud. The announcement follows the success of the initial Google and HCL Software Commerce partnership announced in June 2020.

The Google Cloud offering provides customers a cost effective and highly scalable, secure and elastic cloud deployment option with global coverage that can support deployment of HCL's DX, Unica and Commerce cloud-native platforms. DX's cloud-native capabilities allow customers to deploy world-class, business-critical solutions significantly faster than before. Organizations with the most complex customer marketing data depend on HCL's integrated cloud-native Unica marketing platform to support their precision marketing at scale. The HCL Commerce cloud-native platform delivers innovative and engaging customer experiences that go beyond the transaction.



The discovery will make it significantly harder for adversaries to use memory as a defense evasion technique

The memory region of a hacked computer is a popular hiding place for malware because security scans don't tend to cover memory. As a result, the malware is less likely to be detected and blocked. The types of malware attackers try to install in memory include ransomware and remote access agents. Remote access agents are the enablers for the rest of an attack so the earlier they are spotted and blocked the better.

Sophos researchers have worked out a way to defend against such malware in memory based on how it behaves. They found that attack code shares a common behaviour in memory regardless of the type of code or its purpose.

Unlike normal software

SOPHOS

Security made simple

applications that are installed in the main memory region, attack code is injected into a part of the memory known as the "Heap." (The Heap provides temporary additional memory space for applications that need some extra room, for instance to store or unpack code.)

Adversaries add their attack code in stages. To begin with, a small file known as a "loader" is injected into the Heap memory. The loader then needs extra Heap memory space to accommodate the needs of main payload, which could be a remote access agent like Cobalt Strike. It needs the extra memory to be allocated "execution" rights so the malware can run.

Sophos researchers have designed a practical protection that blocks the al-

Sophos on Device Protection

They have uncovered how attack code behaves while hiding in memory and built protection against it.

location of execution permissions from one Heap memory to another. The protection is named Dynamic Shellcode Protection.

"Preventing attackers from taking hold in a compromised network is the goal of defenders everywhere," said Mark Loman, director of engineering, Sophos. "This goal is critical because once a remote access agent has been installed, it can facilitate most of the active adversary tactics that will take place during the attack. These include execution, credential access, privilege escalation, discovery, lateral movement, collection, exfiltration, and the release of the ransomware.

Dell Technologies PowerEdge servers



Now the servers can Power AI and Edge Computing

Dell Technologies ushers in the next generation of computing with its most powerful and secure Dell EMC PowerEdge server portfolio. With the new servers, Dell Technologies is charting the path toward autonomous infrastructure to offer greater IT efficiency, embrace AI and address the demands of IT at the edge.

The world's best-selling server portfolio provides the power needed to gain and act on real-time insights

from data wherever it may reside—from core data centers to public clouds and edge locations. Reimagined with 17 new PowerEdge servers bolstered by 1,100 Dell-owned or filed U.S. patents, the new servers deliver their highest performance to date.

“We have entered into an era, where the success of any organization depends on how well they extract value from their data. Remote working culture has led to a huge rise in the amount of data being gen-

erated, a constant challenge for organizations to harness actionable insights. Hence, businesses have been scouting for new-age IT solutions, that help them drive their data faster, with utmost ease and agility, to stay relevant in this competitive ecosystem”, said Manish Gupta, Senior Director & General Manager, Infrastructure Solutions Group, Dell Technologies India. “We at Dell Technologies understand these evolving needs of our customers and offer them the best-in-class solutions, to enhance their IT infrastructure.”



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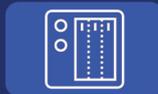
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Rajasthan Computers Traders Associations Elections Won by Sugriv Singh Ranawat



Much awaited elections of the Rajasthan Computer Traders Association were held recently on 14th March 2020 in Jaipur.

Mr. Sugriv Singh Ranawat of the Super 8 team was elected as the President of the association for the forthcoming tenure.

RCTA is a group of computer dealers dealing in all kinds of IT products, peripherals, gadgets, services, and solutions. The association is responsible to safeguard the interests of the members and promoting the latest products and services. When you deal with a verified mem-

ber of the RCTA, you get the assurance of quality services and products. As a state-level association, it has close connections with other associations across the country and the state.

Elections were called off last year due to the pandemic. This year

the election activities were held at Kanha Restaurant in C-Scheme, Jaipur, RJ. All the precautionary measures were followed by the respected team members. The entire selection committee was present at the venue to ensure a smooth and unbiased procedure.

Enjoy Voice And Video Calls Feature On WhatsApp Desktop Versions

WhatsApp has now launched voice and video calls feature for the desktop version will challenge the authority of Google Meets, Zoom, etc.

WhatsApp announced the launch of voice and video call support for desktop versions on 4th March. The feature was much awaited and users were demanding the feature for a long time. It comes as a relief for working professionals who spend their time working on laptops

and use WhatsApp Web for communicating. Till now, the voice and video call feature was limited to mobile applications only. The company tweeted, "Sometimes you just need a little more space. Secure and reliable, end-to-end encrypted voice and video calls are now available on our desktop app."

Voice and Video Calls Feature For WhatsApp Desktop Versions
Voice and Video Calls Feature For WhatsApp Desktop Versions.

In an official statement the company claimed that voice and video calls on WhatsApp are end-to-end encrypted, no one else can see or hear them



including WhatsApp. Even if you call from your mobile or desktop the chat/video remains between the two users only. It also said, WhatsApp might introduce a group voice and video calls feature soon for the users. Prerequisite for WhatsApp video and voice calling feature on Desktop:

- For Windows –Not older versions than Windows 10 64-bit version 1903 and newer
- For Macbook – Not older versions than macOS 10.13

Twitter rolls out beta testing in iOS for playing YouTube video in a tweet



Twitter is now testing out a new feature that let's you play YouTube video through the the posted link in the tweet itself. Before whenever someone posted a tweet mentioning a YouTube video link, you would have to click on that and then it redirected to the specified location or the YouTube application.

ABOUT TO HIT THE MARKET!



Starlink SpaceX Broadband

You can now Pre-Book for only \$99

Now you can prebook your SpaceX Starlink broadband for 7200 INR in India as well. SpaceX Starlink is owned by one of the richest men in the world Elon Musk. He eyes on a piece of billions of dollars internet market in India.

"The satellite broadband service will offer up to 300 Mbps by the end of this year."

What is SpaceX Starlink?

Starlink is a project under SpaceX that offers broadband services across the globe. The project will provide high-speed low latency internet services. As per the official statement of the company, the whole world will be covered by the next year, and debut in India is a step towards it. Interestingly over 1000 SpaceX satellites are already in space attributing to the seamless performance.

Currently, the project is in the beta phase but has already reached remarkable performance benchmarks with 50 to 150 Mbps speed and latency between 20 ms to 40 ms. It is interesting to note that the Starlink satellites are said to be 60 times closer to earth than traditional satellites. Musk said that the company targets to reach at the speed of 1 GB in the future. SpaceX will have over 12,000 satellites to improve the user experience and reduce latency. The project will revolutionize the internet market in India as it promises to provide high-speed internet access to rural and remote locations where the current broadband services are limited or of no use.

The news of the Starlink Broadband pre-booking followed the official announcement of Tesla's debut in India. No wonder world's richest man has keenly observed potential in the Indian market.

Initially, the broadband services will be provided in select locations only. You can check the availability of the services in your area on the official website of Starlink SpaceX. The company will serve customers on the basis of first come first serve basis.

The registered users will start getting broadband services from the year 2022.

Jio to Manufacture Laptops Now

Affordable Laptops By Reliance Jio To Hit Markets

Reliance Jio is credited with bringing the internet revolution in India with its dynamic affordable mobiles and data packs. Now the Mukesh Ambani-owned Reliance is back once again with a groundbreaking product that will change the face of the Indian computer market forever. After affordable mobiles and data packs that helped millions of Indians to switch from 2G to 4G feature phones, Jio is set to launch affordable laptops in India. The product will not require wifi for connectivity. Instead, it will be equipped with an inbuilt sim card slot for cellular connectivity.

"It is speculated that the Jio Laptop will be called JioBook."

Jio Laptop first made news in the year 2018 when Qualcomm declared that it is in communications with Reliance to launch affordable laptops in India. And now it is confirmed that the laptops will be made available prior to Diwali this year.

Keeping aside the ongoing tussle between the dragoon and the New Delhi, Jio has tied up with the Chinese manufacturer Bluebank Communication Technologies. The company specializes in manufacturing mobile devices and software. Chipset manufacturer Qualcomm is also said to be on board with Reliance for manufacturing the Jio Laptop.

Here are some interesting specifications of the Jio Book Laptop:

- **Display:** 720p HD Display with 1366 by 768 pixels resolution
- **Connectivity:** 4G LTE connectivity, mini HDMI Connector for video output, dual-band Wifi, Bluetooth, three-axis accelerometer, Qualcomm audio chip.
- **Pre-installed applications:** Jio Store, Jio Meet, Jio Cinema, Jio Saavn, Microsoft Office, Teams, Edge, etc.
- **Operating System:** Qualcomm Snapdragon 665 chipset and Android OS. Additionally.

"Initially, the company will launch two models. One with a 2 GB RAM & 32 GB Storage and the other with 4 GB RAM & 64 GB Storage."

The company has taken the task to create a laptop well within reach of the general population. But keeping a check on the price is not going to be an easy task.





Apple to soon start iPhone 12 Production in India

With the opening of new horizons for India, new opportunities await. Following this, in a major announcement, Apple Inc said it will soon start manufacturing iPhone 12 in Tamil Nadu, India. The company is also planning to manufacture iPad.

This would mean a boost for Delhi's Make In India campaign. And of course, it would pave the path for many other mobile manufacturing units as well. Recently the government of India announced a \$1.02 billion incentive to promote local manufacturing and export of IT products. The scheme is known as PLI Scheme. The manufacturers will also get a cashback between 1-4% of additional sales of locally made products.

"On the parallel front, Apple will invest Rs.2.9 billion in Indian plants creating better infrastructure and employment in the country."

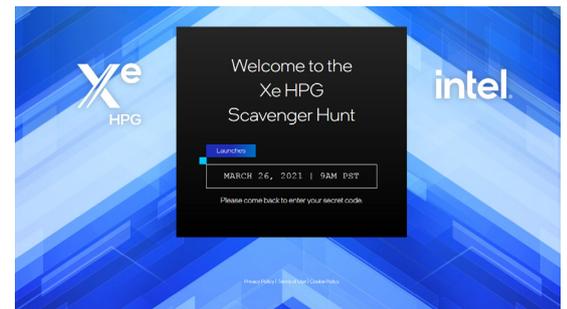
The Wistron plant faced labor problems in the month of December and January which briefly halted the production of iPhones. But, now the facility has resumed production after the company took deliberate steps to resolve the issues.

Much-awaited Intel Xe HPG gaming GPUs might be revealed on 26th March

Much-awaited Intel's gaming GPUs configured on Xe HPG architecture might be revealed soon on March 26th. Intel apparently teased with a Xe HPG Scavenger Hunt for this very specific event. The website link was hidden in GDC 2021 presentation.

Intel released its Xe GPU earlier this year, the Xe LP architecture, however they were never meant for gaming but this one is. It is expected to compete with other top GPU creators in the world like Nvidia and AMD.

Intel CEO Pat Gelsinger's announcement on "the new era of innovation and technology leadership at Intel" that's set to take place on March 23rd. And we will know whether the DG2 cards will be released or not. These upcoming DG2 chips are design for high-performance with a lot of capabilities. Features of the new Intel Xe GPU have been rumoring around, and here they are featuring 512 EUs, 4096 cores, 1800MHz clock speeds, and 12GB of GDDR6 VRAM. Other rumors may have also indicated that Intel is working on a full lineup for the Intel Xe Series.



India to introduce bill that makes owning Cryptocurrency illegal



In a big blow for those who own cryptocurrency, the Indian government is making a big move against the same. The government looks set to create a bill that bans owning any form of cryptocurrencies. According to Reuters, the legislature will introduce this bill that criminalizes any activity – mining, trading, transferring, issuing, or even possessing cryptocurrency. The bill will most likely pass, given how India's digital currency laws are strict.

For those who own these digital assets, a six-month grace period will be given to liquidate any assets. A government official who is also a Reuters' source didn't specify what the punishment is for breaking rules post that. A 2019 panel also recommended a 10-year ban for any form of cryptocurrency offenses. The official also confirmed that the discussions are in the "final stages," even if there isn't a set date for the introduction of the bill.

What else to expect?

The government outlined its plans back in January, as it published the agenda during a legislative session. The agenda also included any form of private cryptocurrency in India, with exceptions to promote any general use of blockchain technology.

The government's goal is to promote the general use of blockchain technology, as they look to roll out a government-issued digital currency. Private alternatives such as Bitcoin will be outlawed. The move looks likely even as Bitcoin reached a record high of \$59,755 recently. Such a move towards banning cryptocurrency hasn't been seen. China, which itself is known for having harsh policies has prohibited trading but not outlawed owning of these coins.

Top Stocks in India according to Market Capitalisation NSE

24th March 2021

Company Name	Last Price	52 wk	52 wk	Market Cap (Rs. cr)
		High	Low	
Reliance	2,047.30	2,368.80	867.45	13,19,505.05
TCS	3,120.95	3,345.25	1,620.00	11,71,100.50
HDFC Bank	1,479.95	1,650.00	738.9	8,15,863.36
Infosys	1,353.80	1,406.25	514.8	5,76,808.27
HUL	2,318.15	2,614.00	1,851.00	5,44,664.33
HDFC	2,466.40	2,895.35	1,473.10	4,44,925.35
ICICI Bank	567.45	679.3	269	3,92,417.46
Kotak Mahindra	1,782.30	2,048.95	1,040.85	3,53,184.45
SBI	359.9	426.45	149.55	3,21,196.77
Bajaj Finance	5,269.85	5,921.75	1,783.10	3,17,554.49
Bharti Airtel	523.6	623	394.05	2,87,562.55
ITC	216.05	239.15	139	2,65,932.58
HCL Tech	975.9	1,073.55	399.65	2,64,826.58
Asian Paints	2,444.20	2,871.40	1,450.00	2,34,447.12
Wipro	410.95	467.2	165.95	2,25,164.30
Axis Bank	706.45	800	285	2,16,412.62
Maruti Suzuki	7,067.30	8,400.00	4,002.00	2,13,489.04
Adani Green Ene	1,292.60	1,313.60	112.7	2,02,164.49
UltraTechCement	6,859.50	6,959.15	2,913.15	1,97,993.61
Larsen	1,368.55	1,593.00	661.05	1,92,203.97
Avenue Supermar	2,855.75	3,328.00	1,735.65	1,84,988.26
Nestle	16,499.00	18,821.45	12,780.00	1,59,076.29
Bajaj Finserv	9,230.00	10,586.40	3,985.60	1,46,883.86
Adani Ports	707.65	768.4	203.4	1,43,776.91
Sun Pharma	584.9	653.7	315.2	1,40,337.10
HDFC Life	676.95	746	339.15	1,36,807.80
Titan Company	1,487.80	1,620.95	720	1,32,084.82
ONGC	104.75	122.3	59.7	1,31,778.42
Power Grid Corp	221.3	239	141.75	1,15,775.08
Adani Enterpris	1,025.60	1,086.35	116.25	1,12,796.52
Hind Zinc	265.1	334.25	123	1,12,013.21
JSW Steel	437.8	448.8	132.5	1,05,825.91
Bajaj Auto	3,604.80	4,361.20	1,793.10	1,04,311.02
NTPC	106	114.75	74	1,02,784.66
M&M	811.15	952.15	245.8	1,00,841.56
Adani Total Gas	916.1	916.1	76.7	1,00,753.60
Shree Cements	27,772.20	29,097.55	15,500.00	1,00,204.17
Tata Motors	294.45	357	63.6	97,766.46
Tech Mahindra	994.8	1,081.35	470.25	96,322.51
Adani Trans	864.65	864.65	167.2	95,095.08
Dabur India	529.65	552.35	385.05	93,611.68
BPCL	430	482.4	252	93,277.87
Divis Labs	3,488.90	3,913.00	1,725.05	92,619.33
Grasim	1,389.50	1,428.20	380	91,435.33
Pidilite Ind	1,791.50	1,849.90	1,186.05	91,035.68
IOC	94.6	105	71.15	89,057.94
SBI Life Insura	880.45	983.95	522.9	88,051.24
SBI Cards	921.35	1,149.00	495.25	86,655.31
Britannia	3,535.75	4,015.00	2,100.55	85,165.01
Vedanta	223.35	230.8	60.3	83,023.59

300% Rise In Cyberattacks In India Last Year

Indian cyberspace saw a surge of 300% cyber attacks in the year 2020, government reveals in the Parliament.

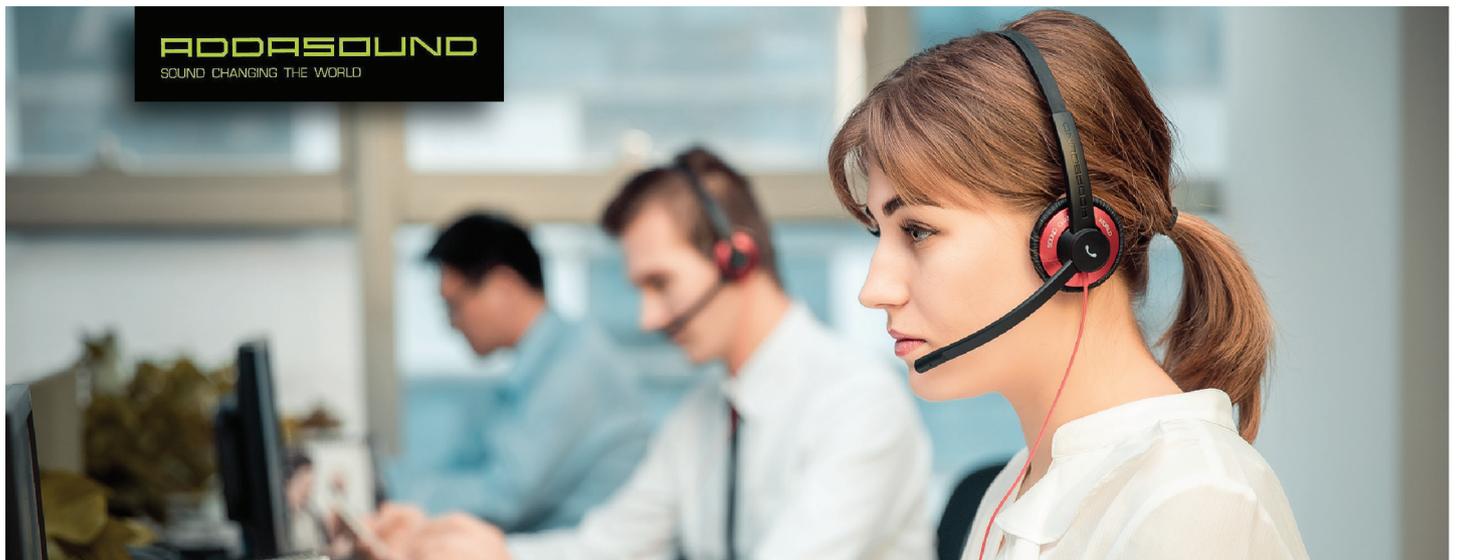
During the pandemic year, a total of 11,58,208 cyber-attacks were reported across the country. In 2019, 3,94,499 were reported. Many cyber experts believe the increase in the attacks could be credited to the increased online activity during the lockdown in most parts of the country. No further details were provided by the ministry about these cyber attacks.

The data was provided by the Indian Computer Emergency Response Team (CERT-In).

The statement by the government comes in wake of the events earlier this month when an American cyber company Recorded Future revealed that a China-backed hacker group targeted India's power grid and other significant establishments causing a power outage in Mumbai. ShadowPad malware was used in the attack by the pro-Chinese hacker groups.

In a response to a question about the cyberattacks on India's power grid and vaccine manufacturers the Union minister of state for home affairs, G Kishan Reddy told Parliament, "CERT-In receives inputs from its situational awareness systems and threat intelligence sources about malware infections in networks of entities across sectors.





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LENOVO LAUNCHES FOUR NEW WINDOWS LAPTOPS AND CHROMEBOOKS

Lenovo has launched four new laptops basically aiming at the education segment, the Lenovo 14e Gen 2, 100e, 300e, 500e are Chromebook models and Lenovo 14w Gen 3 100w, 300w, 500w are Windows laptop models.

There are three display variants for the 14e and the 14w, a 14-inch HD TN Non-Touch panel with 220 nits brightness, 14-inch FHD IPS touch with 300 nits brightness, and 14-inch



FHD IPS non-touch with 250 nits brightness. You get a 720p front camera with a privacy shutter for camera.

The laptops have a dual-core AMD 3015e processors. You can get up to 8GB of DDR4 RAM and up to 128GB eMMC or 256GB M.2 SSD.

DJI'S NEW FPV DRONE, A LOT MORE FUN THAN IT LOOKS

This DJI FPV (First-Person-View) drone certainly doesn't look any other drone DJI has released before, but it is surely an attention grabbing device.

This drone is bundled together with a new controller and goggles too, and it is priced at \$1299. This price may be a little too high for the ones just getting their hands-on on a drone just as a beginner.

But still DJI believes this drone is made for both, the professionals, as well as the beginners too. Well, in comparison to other standard drones, this one is surely fun to fly, making you feel that you are actually there in the sky.

This drone features a 20 min flight time with one battery which is quite impressive as compared to the other FPV drones in the market.



To maximize the battery life-span and avoid swelling, there is this intelligent battery feature, meaning that it discharges itself in a few days if not in use.

This drone shares the same 1/2.3-inch sensor as the DJI Mini 2. You can shoot 4k 60fps video in this and if you are a fan of more fps then it also offers 1080 at 120fps.

It has a super wide view of 153 degrees as compared to only 83 degrees on the Mini 2, and in turn it gives you an upper hand of taking judgement while turning around here and there while flying.

In comparison to the general analog transmission technology, DJI using the digital transmission feature since 2019 for better quality and lowest latency possible even in long distance range.

The new controller is about half the size of the standard controller, and in addition to that DJI is also offering the a motion controller for \$199, and this controller could be a great option for the beginners.

The claimed battery life is around 10 hours. And there are two color options but it is assigned, the black to the windows version and gray one to the chromebook.

The other three versions, 100, 300 and 500 one also have similar performance capabilities in terms of usage, and the 500 series is the only one using the Intel chips (Pentium Processor for the windows, and celeron processor for the chromebook) as compared to the other ones using the AMD Processors.

Though these laptops have not yet been launched in India but we can expect the same soon. These laptops were launched for the educational market and purpose and will provide adequate performance for the relevant tasks.

INSTA360 GO 2 ACTION CAMERA

Insta360 has released a new camera in the Go series, the Insta360 Go 2. The company claims that it brings a lot of improvements as compared to its successor.

It is a lightweight pill shaped camera, and also a very compact structure making it easier to take it anywhere.

It offers 2k recording at 50 fps and HDR at 24fps. It also offers FlowState Stabilisation in the Pro Video Mode. This device supports and has functionality of Bluetooth 5 and 32GB of storage onboard, and only 28GB available to the user.

Insta360 Go 2 is IPx8 rated, and you can dip it in the water if you want, it weighs around 26.5g and the battery is also quite decent for a device this small giving 30 mins of usage in the normal mode and 20 min in the Pro Video mode.

In the world where USB-C is now the new normal, this also charges via USB-C only, and will charge fully in about an hour. Though Insta360 has confirmed its availability in India, but generally it is priced at \$299 in US.

This device is easy to use and maneuver around for taking perfect shots on the go.



ONEPLUS FLAGSHIP PHONES AND A WATCH

OnePlus has signed partnership with Hasselblad, a Swedish camera and photographic equipment manufacturer.

OnePlus has launched OnePlus 9 Series, **OnePlus 9 Pro (the flagship)**, **OnePlus**



OnePlus 9 Series

9, OnePlus 9R (a budget version of the flagship), as well as a OnePlus Smart Watch too. All the three phones and the watch is priced at: 64,999 for the **9 Pro**, 49,999 for the **9**, 39,999 for the **9R** and 16,999 rupees for the **OnePlus Watch**.

OnePlus 9 Series does have a lot of features to offer, starting with the OnePlus x Hasselblad Camera, a quad camera setup on the 9 Pro to the 120 Hz refresh rate for the display.

Along with this, it does have Warp Charging, that'll give you a day's usage (or 100%) in just 29 mins. Both the flagship phones include a Snapdragon 888 processor, with 8/12GB RAM and 128/256 GB storage. The budget version OnePlus 9R with Snapdragon 870 and almost all similar features like its elders. All three of them offer 5G capabilities too.



OnePlus Watch



They did release a watch copped with a lot of features for a everyday usage and also for the ones concerned about health too. Having SpO2 Sensor, heart rate monitor and a lot of workout modes. It also has an IP68 rating, making it water and dust resistant and connected features with the OnePlus TV.

SAMSUNG UNVEILS NEW DEVICES IN THEIR GALAXY UNPACKED EVENT, A52, A52 5G AND A72



TOP PRODUCTS OF THE MONTH

Samsung is stepping up the game in their mobile mid-segment, providing a 90Hz display now and 120Hz too. Samsung launched three new phones in their galaxy unpacked event yesterday, A52, A52 5G and A72.

Samsung believes in providing best in class features they can in every price segment. All the phones have Super AMOLED display, and bringing 90Hz and 120Hz makes the user experience ever better and smoother. And along 800 nits luminance brightness making it the easy to use even in the bright

sunlight.

These mobiles are also now rated IP67 which makes them waterproof being free of any water damage.

“Samsung strives to give consumers what they

want and need most. That's why we set out with a vision for the Galaxy A series to democratize Galaxy innovations for everyone,” said Dr. TM Roh, President and Head of Mobile Communications Business, Samsung Electronics. “The Galaxy A52, A52 5G and A72 encapsulate the Galaxy brand philosophy with cutting-edge innovations, services and features at an accessible price.”

A72 priced at 37,999 and A52 priced at 29,499 according to Samsung's official website.

Benefits of getting a getting one of these:

- Tetra binning and OIS will help to capture bright photos even in low-light conditions.
- Watching an online series or listening to music on mobile will never be a boring task with Stereo Speakers, Dolby ATMOS and 3D surround sound.
- Advanced Game Boosters feature in Galaxy A52 learns about your usage and optimizes memory, temperature, and battery. A dedicated interface and menu maximize the performance y cutting the distractions.
- Be assured your eyes will not be strained with infinity display and 90Hz refresh rate.
- The screen is protected by Corning Gorilla Glass 5.
- The battery will last for a day (standard usage & conditions).



SANDEEP JAIN
FOUNDER GeeksForGeeks

IT Voice: - Tell us about GeeksforGeeks and how does it work?

Mr. Sandeep Jain: - GeeksforGeeks – it is a Computer Science portal that fulfills all the requirements of the individuals for placement preparation. Whether it be quality content for Data Structures & Algorithms, Programming Languages, Interview Experiences, Practice Problems, tutorials of other CS Subjects, various online & offline courses – the platform provides you with almost everything that is required to prepare and crack the interview of any big tech company. Also, GeeksforGeeks allows you to write on a particular topic and share it with everyone using the ‘Contribute’ feature and you can get rewarded too for it via remuneration, internship opportunities, discount offers, or any other way. Other than that – various coding events, campus programs, webinars are held regularly for the individuals. Contentedly, it is one of the fastest-growing communities among programmers and all the tech individuals with a reach of around more than 10 million users.

IT Voice: - Which industry and domain do you cater to?

Mr. Sandeep Jain: - GeeksforGeeks is catering to the Ed-tech and Online Education industry. Via being in this domain, GeeksforGeeks is constantly trying to provide quality education and learning resources to



the students that can help them to establish a successful career in the tech world – especially for the students who are not having the access to a quality education because of any reason such as unaffordability, geographical barriers, etc. Unlike other platforms in the ed-tech domain, GeeksforGeeks is not only concerned with providing quality learning resources but the platform is working actively to solve each and every placement-related concern of the students in all possible ways.

IT Voice: - What impact it is making on that particular industry?

Mr. Sandeep Jain: - GeeksforGeeks aims to make online learning as much affordable as it can be and that too without compromising with the quality so that it can be accessible to every student. And with a similar reason, you’ll find the majority of the content over the platform is provided free of cost to everyone. Also, GeeksforGeeks understands the need of each and every student and that’s why we’re providing the content and courses for each level i.e., from beginner to advanced to make the online learning world a better place for them. Since its inception, the platform has evolved exponentially and it has benefited a huge number of students across the world to achieve their career goals and looking forward to doing the same in the future also.

IT Voice:- How is it helping people and businesses?

Mr. Sandeep Jain: - As mentioned previously, GeeksforGeeks is helping the students by providing quality education with the utmost level of affordability. The courses provided here are designed by industry experts and come up with numerous enriching features like premium video lectures, schedule flexibility, practice & assessment tests, lifetime access, certificate, internship opportunities, etc. On the other hand, the platform is helping many businesses as well, for instance – various YouTube video

creators are using our website to come up with enriching content, various tech organizations are also preferring GeeksforGeeks to prepare content for the recruitment process, etc.

IT Voice: - How did this idea come up?

Mr. Sandeep Jain: - Let me tell you first that I was having a passion for teaching since my college days. However, the idea to start a platform like GeeksforGeeks first strike in my mind during my graduation days itself when I found myself and other students of my batch struggling to prepare for the placements as there was no one to guide us about the recruitment process, to provide us the quality resources, to let us know what companies ask in the interview and other similar concerns at that time. Eventually, I realized that this is the problem of every second student and there is a need to come up with a platform that can help the students in this situation in all possible ways. This is the story behind GeeksforGeeks!

IT Voice:-Who are your competitors?

Mr.Sandeep Jain: - To be honest, the only competitor of GeeksforGeeks is GeeksforGeeks itself! We persistently try to make the platform better than yesterday and come up with updated & relevant content for the students consistently. I remember that we started from very small milestones such as 4-5 posts per week, and the frequency increased gradually and even it is increasing now as well. Also, there was not any income from the blog in the initial years and we faced so many hurdles and challenges but the platform is continuously evolving because of our sheer commitment to come up with the topmost content and other resources for students. We always work on aspects like what new can we provide to the students, what will help them to get their dream job effectively, etc.

Read the Full Interview at <https://www.itvoice.in/geeksforgeeks-fulfills-all-the-requirements-of-the-individuals-for-placement-preparation>



6G Technology in the Development

LG Partners With Keysight And KAIST For Developing 6G Network Technology

While the world eagerly waits for the 5G technology, LG has announced that it would develop next-generation 6G network technology by 2024.

The South Korean technology giant said on Tuesday that they have joined hands with two other technology firms to develop the 6G network technology.

LG will work along with Keysight Technologies and the Korean Advanced Institute of Science & Technology (KAIST) for bringing the successor of 5G

technology to the world.

"Similar to 5G, 6G is a wireless communication technology currently under development. It will support cellular data networks and will be faster and more reliable than 5G."

The three partners expect to finish the research and development by the year 2024 and expected to go commercial by the year 2029. With 6G we can experience the Ambient Internet of Everything (AIoE) which will bring better connectivity for all the users.

The year 2019 marked a significant milestone in the development of the technology when LG signed an agreement with the Korea Research Institute of Standards and Science for studying 6G technologies. It also established a research center with KAIST in the same year.



The American technology company Keysight is one of the renowned companies of the world supplying 6G terahertz test equipment. The company has supplied the testing equipment to LG and KAIST as well.



McAfee's New Announcement

New Additions to its Security Innovation Alliance Program for Zero-Trust Network Access

Recent polling shows that over half of workers in the United States now work at home some or all of the time. Cloud-native app development with containers has nearly doubled in a year, placing more internal apps outside of the corporate data center. VPNs haven't kept up with these changes, proving expensive to scale while complicating and slowing down cloud access. Enterprises need a secure method to access their internal apps in the public cloud and data center efficiently from anywhere. By shifting away from VPNs to ZTNA, enterprises can reduce their cost and complexity, while providing faster access to critical resources.

"We've invested in an open approach for our platform to deliver top quality integrations with ZTNA providers, sharing posture information from our massive

endpoint security base," said Javed Hasan, Global Head, Product Strategy and Alliances at McAfee. "This provides customers with the best option for their environment, enhancing their deployment with valuable intelligence from the McAfee ecosystem. Together with our SIA partners, we are strengthening security for the critical apps that enterprises rely on every day."

The Shift to a Secure Access Service Edge (SASE) Architecture

The trends driving demand for secure access to business-critical apps and data are part of a larger movement to abstract the corporate network away from the data center to enable work from anywhere for a distributed workforce, providing connectivity and security as a service from the cloud in an architecture known as a Secure Access Service Edge (SASE). As enterprises move towards this architecture, the ability to protect their data and prevent threats outside of the data center perimeter is critical. The McAfee SASE security service, MVISION Unified Cloud Edge, performs threat and data protection at every control point in a single pass.

McAfee, the device-to-cloud cybersecurity company, today announced new partnerships with leading Zero-Trust Network Access (ZTNA) vendors, providing enhanced security to ZTNA deployments for enterprise customers. Appgate, Axis Security, and TransientX join the McAfee Security Innovation Alliance (SIA) program, which will include certifying their integrations with McAfee technology as part of the SIA open-provider approach to Zero-Trust. This builds on McAfee's existing zero-trust initiatives, including participation in Google Cloud's BeyondCorp Alliance.

The shift to remote work over the past year has accelerated the need to secure access to business-critical apps and data.

Indian Brand VoLTE Gateway Outshines Chinese Counterparts In A Survey

A major chunk of call centers is still depending upon the 2G/3G-based GSM gateways. By the end of the year 2022, all major telecommunication companies will switch to better and newer technologies. This would mean that the devices running on the older technology would stop working.

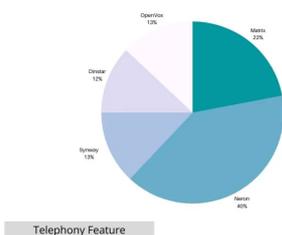
To prevent any disturbance in regular operational activities, the older GSM gateways must be replaced with new VoLTE Gateways. Keeping this in mind our team at IT-Voice recently conducted a survey on 150+ companies to detect which is the most preferable VoLTE gateway.

The companies were majorly judged on over 10 parameters like:

- Voice Quality & Connectivity
- Call Survival
- Router Feature
- SIP Call Channel
- Brand Value
- Telephony Feature
- Device Stability
- Value For Money
- Innovation
- Support Service, etc.

Our executives started collecting data and answers from the companies starting in the first week of January 2021. The survey was concluded by the mid of March 2021.

"The operational area of participating companies includes Banks, domestic BPOs, customer services, BFSI, enterprises, etc."

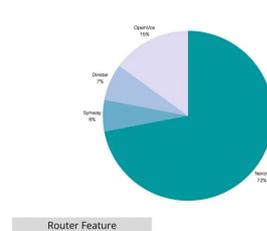


Some Key findings of the survey: -

Telephony Feature – The feature enables the users to enjoy many services like messaging, video calling, conferencing, fax, etc. 60% of the users were satisfied with the Analog PBX and VoIP Gateway while the rest 40% voted for full-featured IP-PBX of Neron.

Router Feature – In simplest words, Routers regulate traffic between similar networks, on the other hand, Gateways regulate

traffic between dissimilar networks. Either for a domestic call center or an in-



ternational call center, the significance of the router is high. And 72% of the companies approved for Neron Gateway which by default comes with a router feature as well. OpenVox also provides the feature partially and thus earned 15% of the approval.

And many more too...

Check the Full Survey at <https://www.itvoice.in/indian-brand-volte-gateway-outshines-chinese-counterparts-in-a-survey>

Conclusion:

No wonder companies had an impact on the Make In India campaign of the Central Government. Most favored the innovative products by Neron over the Chinese counterparts. Call survival (Inbuilt IPPBX) and default router feature attract the users to go for Neron Based on the results of the survey we can conclude that the Indian brand Neron has emerged as a market leader in the VoLTE Gateway product segment.



Fortinet Expands Engage Partner Program Benefits to Further Enable Channel Business Growth

"Fortinet has been successful in enabling our channel partners to grow their business and services leveraging the Fortinet Security Fabric. Our partnerships go beyond the technologies that enable service offerings that drive growth and profitability. We've received outstanding feedback about the partner program to date and want to continue enhancing it to meet customers' evolving needs as well as digital innovations. Today we are announcing updates that will help our partners to further reap benefits from the Engage Partner Program and to set themselves apart with customers."

Fortinet, a global leader in broad, integrated and automated cybersecurity solutions, today announced updates to the Fortinet Engage Partner Program, enabling additional flexibility and revenue growth for partners.

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Intel's Investment for Production of More Chips

Intel invests \$20 billion into new factories, for productions of more chip for other companies too

Intel appointed new CEO, Pat Gelsinger, and he's not wasting any time to make some big changes. Gelsinger presented his plans to outsource more and more of Intel's chip production to third-party "foundries", a \$20 billion investment into two new fabs in Arizona and a new branch of the company called Intel Foundry Services, which will see Intel's foundries produce chips for other companies.

These announcements are part

of a new "IDM 2.0" strategy for Intel's design and manufacturing, which is divided in three parts. First, there's Intel's in-house manufacturing, which can still function a key part of Intel's design and production of chips. Second, is involvement of external foundries, including TSMC, Samsung, and Global Foundries, for production of "products at the core of Intel's computing offerings" for both consumer and enterprise chips, starting in 2023.

And third, there's the newly announced Intel Foundry Services, which can see Intel open its gates to handle manufacturing of chips for other commercial customers, led by Rhandir Thakur. Intel Foundry Services is a total separate business unit and it will develop x86, Arm, and



RISC-V core chips for external clients using Intel's manufacturing technology. For official and government purpose work, the foundries will be located in United States and Europe, a plus point in comparison to the other competitors.

The expansion of Intel's manufacturing efforts — which include a \$20 billion investment into new fabs in Arizona that will expand Intel's existing Ocotillo campus come at a critical time: the world is currently facing semiconductor shortage meaning that the demand is more.

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Acer's New Laptop for the Indian Market

Acer launches India's first gaming laptop with NVIDIA RTX 3060 Graphics Card at Rs 89,999

Acer India, today unveiled its much-awaited Nitro 5 gaming laptop with NVIDIA GeForce RTX 3060 graphics card in India. The latest Nitro 5 comes with 10th Gen Intel Core processor that enable immersive gaming experiences with ability to play AAA titles easily. The laptop packs an RGB-backlit keyboard, NVIDIA® GeForce® RTX™ 3060 graphics card and upto 32GB RAM for an incredibly fast performance with state of the art cooling using CoolBoost™ technology.

Nitro 5 allows users to enjoy their favorite games in exceptional detail with a 15.6-inch Full HD IPS display that boasts up to a 144Hz high refresh rate and 3 ms (milliseconds) response time for an ultra-smooth gaming experience. With DTS: X® Ultra, sounds are clear and can be delivered in a 3D spatial soundscape, allowing you to hear where your opponents are coming from with pinpoint precision. Nitro 5 adopt Killer™ Ethernet E2600 to prioritize gameplay and effortlessly stream Intel wireless Wi-Fi 6 with 2x2 MU-MIMO technology.

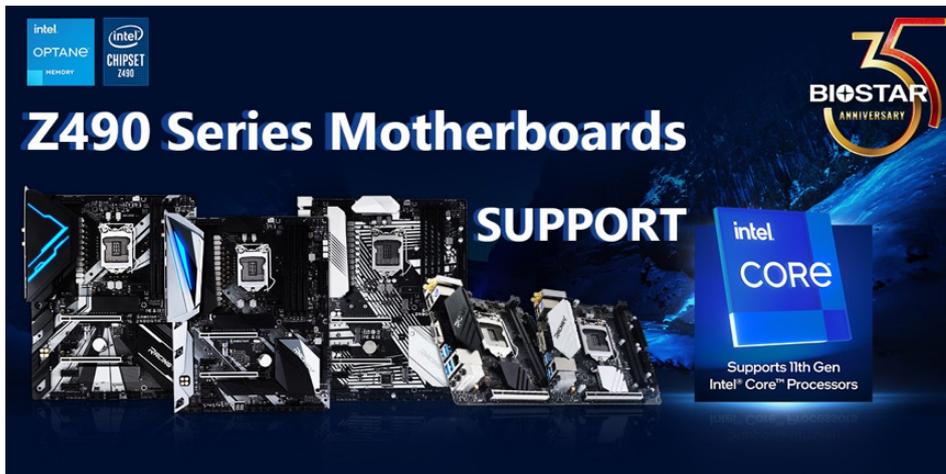
The Ethernet controller automatically detects game, video, and chat streams to deliver prioritized bandwidth for a virtually lag-free user experience. It also plugs all peripherals



into the full range of ports, including HDMI 2.0 and the newest USB 3.2 standard with Gen 2 support.

Speaking on this occasion, Sudhir Goel, Chief Business Officer, Acer India said, "With the new Nitro 5 gaming laptop using the NVIDIA GeForce RTX 3060 graphics card, we are entering a new era of high-performance gaming.

Biostar Announces Their Z490 Series Motherboards Are Ready To Support The Latest Intel 11th Gen Processors



BIOSTAR, a leading manufacturer of motherboards, graphics cards, and storage devices today, announces that their Z490 series motherboards are ready to support the latest Intel 11th Generation Rocket Lake processors.

In anticipation of the imminent

launch of Intel's 11th gen processors, BIOSTAR has wasted no time in preparing their products to support the new chips. The Z490 series motherboards, which consists of 5 models (RACING Z490GTA EVO, RACING Z490GTA, RACING Z490GTN, Z490A-SILVER and Z490T-SILVER)

have received optimized BIOS updates (ME 14.1) to support the 11th gen Intel processors and can be easily updated just by downloading and installing the new BIOS patch from the official product page.

Gamers and content creators will enjoy the combination of BIOSTAR motherboards with the new Intel processors greatly as BIOSTAR's products are highly optimized to extract the maximum performance out of the new Intel processors in a stable, reliable way.

BIOSTAR being one of the great brands in manufacturing Motherboard, the soul of a personl computing, has taken a step towards the next level providing support for the 11th Generation Rocket Lake Processors for the better performance.

ECS Releases a Brand new Mini PC

ECS Releases Brand New Industrial-grade Mini PC – LIVA M300-W

Elitegroup Computer Systems (ECS), the global leading motherboard, Mini-PC, Notebooks, mobile device and smart city solutions provider, is proud to present the latest light and thin mini PC – LIVA M300-W. LIVA M300-W is designed by iron grey metal chassis with compact size measuring only 12.8 x 12.8 x 2.6 cm. LIVA M300-W is powered by Rockchip RK3399K SoC with quad and dual core CPU which can support dual operating system of Android 8.1* and Ubuntu 18.04. It is also equipped

with HDMI 2.0 port which can support up to 4K resolution and CEC system. LIVA M300-W is crafted for industrial use by its wide temperature and dustproof design. It is an ideal mini PC to run under extreme environment such as construction site, factory and warehouse for many applications like surveillance, terminal, POS and thermal-sensing.

Wide Temperature Design

LIVA M300-W features the outstanding



fanless thermal design. It can effectively dissipate heat and operate in wide-temperature from -10°C to 60°C and humidity range from 10% to 95% when CPU running multi-tasks stably under critical environment such as construction site, casino, transportation center and shopping mall.

LIVA M300-W equipped with RK3399K Processor featuring Dual-core Cortex-A72 and Quad-core Cortex-A53. With the ARM-based processor, LIVA M300-W can be adopted for many different applications and process your computing tasks more efficiently with less power consumption, which is ideal for terminal and POS solutions.

Samsung's New High - Resolution Monitors

12 different high-resolution Samsung monitors are launched in three series: S8, S7 & S6.

As the trend of remote working, distance learning, and work from home ensues, tech giants have diverted their efforts in developing products to capitalize on the need for specially designed products for the customers who have to spend hours in front of the screen. South Korean tech giant Samsung has launched a series of high-resolution monitors for the year 2021.

Each monitor from the series comes with excellent picture quality and a cozy design. Expect evocative and colorful image quality, over 1 billion colors, and enhanced HDR 10 technology in all the models. These monitors come with a 178-degree

wide-angle display for superb performance and flawless viewing from any angle.

S8 – The flagship model S8 is perfect for businesses and working professionals. It is available in 27 & 32-inch screen sizes. Its USB-C type port allows 10 Gbps data transmission and the superior s80UA offers 90W fast charging. Other features include Ultra High Definition UHD, 1 billion colors, and a 99% sRGB color gamut.

S7 – It is also available in 27 & 32-inch screen sizes. The USP of the S7 monitor is its 178 degrees wide viewing angle panel and vivid color gamut. The ultra-slim stand and virtually borderless design make it desirable for every professional.

S6 – Unlike S8 & S7, S6 is available in 34, 32, 27 & 24 inch screen sizes. The patronizing monitor supports daisy chain technology, 21:9 aspect ratio, QHD resolution, PBP

(Picture by Picture) & PIP (Picture in Picture) features as well. You can multi-task and rotate or tilt the screen at your convenience.

TÜV Rheinland has certified all the monitors to be Intelligent Eye Care products. The monitors are exceptional for users who spend hours in front of the screen. A special eye saver mode reduces the blue light emission which could increase the strain on the eyes. Additionally, automatic brightness & color temperature adjustment according to room conditions saves the users from unnecessary eye strain.



Eaton introduces internationally acclaimed EnergyAware UPS in India

Eaton, a global power management company, launched an industry-first data center solution – Energy Aware UPS using UPS-as-a-reserve (UPSaaS) in India. The solution will enable data centers to contribute to renewable energy and also earn from their UPS investments. As per the estimates, a data center could receive approx. \$ 60,000 per MW / per year for its non-used capacity.

In India, the colocation/third-party data center market is growing at a CAGR between 7% and 8%, raising the utilization levels of servers and increasing power requirements. EnergyAware is designed for data center

applications and can be used in any high-capacity IT load, whether industrial or manufacturing.

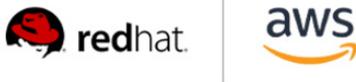
With its outstanding commitment to innovation, high-value solutions, and thought leadership, Eaton's Energy Aware Solution has been recognized by Frost & Sullivan in the Indian UPS industry as a reserve system for data centers.

According to Syed Sajjadh Ali, Managing Director – India, Electrical Sector, Eaton says, “As individuals and as an industry, we are all aware of our obligation to rethink our role as power consumers. The Data Center industry continues to face challenges in reducing its carbon emissions and optimizing energy efficiency. Eaton's EnergyAware technology allows large Data Center operators to give back energy to the grid. The primary role of the UPS doesn't change, but by



creating UPS as a Reserve (UPSaaS) through Energy Aware, organizations can enable Energy Transition. With UPSaaS organizations can offset both their Capex cost, while contributing towards reducing the carbon footprint and enabling renewable energy.”

He added, “We are delighted that the EnergyAware Solution has been recognized by Frost & Sullivan for its contribution to powering Data Centers of the future. We have created these innovative energy storage technologies for cities that can increase the number of renewables on the grid through providing much-needed stability, whilst still providing a commercial benefit.”



Today, Amazon Web Services, Inc. (AWS), an Amazon.com company (NASDAQ:AMZN) and Red Hat, the world's leading provider of enterprise open source solutions, announced the general availability of Red Hat OpenShift Service on AWS (ROSA), a new managed service available via the AWS Console that makes it easier for Red Hat OpenShift customers to build, scale, and manage containerized applications on AWS. With ROSA, customers can enjoy more simplified Kubernetes cluster creation using the familiar Red Hat OpenShift console, features, and tooling without the burden of manually scaling and managing

the underlying infrastructure. ROSA streamlines moving on-premises Red Hat OpenShift workloads to AWS, and offers a tighter integration with other AWS services. ROSA also enables customers to access Red Hat OpenShift with billing and support directly through AWS, delivering the simplicity of a single-vendor experience to customers running Red Hat OpenShift on AWS. There are no up-front investments required to use ROSA, and customers pay only for the container clusters and nodes used.

Containers have proven popular with AWS and Red Hat customers because they increase developer velocity and improve application portability. Currently, AWS offers the broadest range of containers technology in the cloud, including Amazon Elastic Containers Service (ECS) for customers that want the deepest integration with AWS ser-

Amazon and Red Hat Announcement

Amazon and Red Hat Announce General Availability of Red Hat OpenShift Service on AWS (ROSA)

vices and Amazon Elastic Kubernetes Service (EKS) for customers that prioritize running Kubernetes. AWS customers that value a fully serverless containers experience can also use AWS Fargate to run containers without having to manage the underlying servers or clusters.

Global Fortune 500 businesses, government agencies, and many more organizations use Red Hat OpenShift, Red Hat's enterprise-ready Kubernetes platform that extends the capabilities of base Kubernetes built for the cloud production stack.



Bharti Airtel (“Airtel”), India’s premier communications solutions provider, and Qualcomm Technologies, Inc. today announced their collaboration for accelerating 5G in India. Recently, Airtel became India’s first telco to demonstrate 5G over a LIVE commercial network in the city of Hyderabad.

Through Airtel’s network vendors and device partners, Airtel will utilize the Qualcomm® 5G RAN Platforms to roll-out virtualized and Open RAN-based 5G networks. Airtel, as a board member of the O-RAN Alliance, is committed to driving the success of O-RAN

and is working with Qualcomm Technologies to explore and implement the O-RAN approach for India. The flexible and scalable architecture of O-RAN will create new opportunities for small and medium-sized businesses to become viable players in the deployment of 5G networks.

In addition, Airtel and Qualcomm Technologies will collaborate to enable a wide array of use cases, including 5G Fixed Wireless Access (FWA) that is designed to deliver broadband connectivity at Gigabit speeds to homes and businesses. This collaboration also aims to allow a faster rollout of broadband services in a cost effective and expeditious manner across India for “last mile” connectivity challenges that are becoming increasingly important in today’s remote, mobile-first society.

Airtel 5G solutions including FWA services will be able to deliver multi-gigabit internet speeds wirelessly to cus-

Airtel and Qualcomm Collaboration

Airtel and Qualcomm to collaborate for 5G in India

tomers and open up a wide range of innovations. For customers, the ultra-fast and low latency of 5G will unlock a digital world of limitless possibilities – gigabit size file downloads in seconds and 4K video streaming on the go across smartphones and computing devices, Immersive Technologies such as Virtual Reality and SMART Homes with connected things.

Randeep Sekhon, CTO, Bharti Airtel said, “Airtel has been a pioneer of new technologies and our networks are fully ready for 5G. We are delighted to have Qualcomm Technologies as a key technology provider in our journey to roll-out world-class 5G in India.

Use Reverse image search Tools to find the right photos

The reverse image search technique is a featured hunting method using which you can search images and also make a search on an image. The search by image technique is usually used to find out different sorts of details about an image. Finding images today has become much easier because of the reverse photo lookup technique and tools.

You need to find images because not all of us are image designers and professional photographers, but all of us are fond of seeing images. Most people tend to copy images from the web to use on their websites or blogs.

Still, you must know that images on the websites and blogs are protected with copyrights, and if you are stealing those images, you are committing image plagiarism. With reverse image search, you can find the right royalty-free images for your website/blog.

There are hundreds of reverse image search platforms on the web, but not all of them can be used by a common user. In the sections beneath, we have discussed some of the top-notch reverse image search tools to get the right images for your website!

How does reverse image search work?

The image lookup process is quite simple. You don’t need any practice to understand the working of the modern reverse image search tools. In most

reverse search tools, you have to enter the image itself as input or relevant keywords describing the image.

Based on the input, you would get search results regarding where the image appears on the web, the source of the image, the ownership & copyrights of the image, and all other relevant details which would help you analyze an image before using it!





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