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MILLENIUM MICRO IS THE LARGEST NETWORK OF INDEPENDENT COMPUTER RESELLERS AND PROFESSIONALS IN CANADA

FOR THE FUTURE: HOW WESTERN DIGITAL ACHIEVES ESG EXCELLENCE



Author: Thomas Ebrahimi

Sustainability is no longer a buzzword but a real business focus for companies around the world. Respecting the planet improves local habitats and communities while driving down costs. To achieve its environmental, social, and governance (ESG) goals, Western Digital leverages its technological and engineering expertise at all levels of the business.

Strategy and leadership

Western Digital already set ambitious targets and has achieved impressive milestones, including a reduction of Scope 1 and 2 emissions by more than 14% from 2020 to 2022¹. For true excellence, though, the company's business units, partners, and customers must collaborate and work toward a shared vision for the future.

Engagement with large enterprise customers on sustainability has increased over the past couple of years. Customers want more time with us to collaborate on sustainability, to share insights, and to drive mutual progress on reducing climate impact throughout the value chain.

By better understanding the ecosystem of customers, suppliers, and partners, Western Digital can drive significant progress. The company supplies millions of products to customers all over the world, so by developing intimate understandings between all stakeholders, Western Digital can do more than it would alone.

Reducing impact: from manufacturing to the data center

Realizing that shared vision takes cutting-edge technology and operations. Xiaodong Che is the chief technology officer of Western Digital's HDD business unit, and under his supervision, the company has delivered the highest capacity drives in the industry.

For Western Digital's customers, this means using fewer drives to meet storage needs. Fewer drives save money and energy, a huge boon for hyperscale cloud customers that deal in exabytes.


"On the hard drive side, about 50% of the carbon footprint of the product when it arrives at our customer comes from our own internal manufacturing," Parker said. "So if we use 100% renewable energy, we can cut that footprint in half. That's huge for us, and that's huge for our customers."

Driving the processes to reduce the company's manufacturing impact on the planet is Jackie Jung, VP of operations strategy at Western Digital. Jung and her team lead efforts on making Western Digital's global facilities more efficient by implementing advanced Industry 4.0 technologies. One of Jung's new focuses is collaborating with governments to achieve ESG goals at factories around the world.

Focused on a responsible future

From more sustainable products to futuristic manufacturing techniques, Western Digital has laid a strong foundation for its continued ESG effort. Ambition was a key in all of these efforts, and that will be true for the next phase of innovation. For Che and his team of engineers, the next big endeavor is figuring out material reclamation and recycling.

"If we look at the whole cycle, e-waste is definitely one of the huge parts that we have to address. As data centers grow, eventually there will be a need to replace drives, and that's an area of e-waste we're looking at," Che said. "The plastics, the magnets, these are things we're looking at for reclaiming, recycling, or reusing."

Simultaneously, the company recognizes that the use of precious metals in its products is a necessarily extractive part of its business. Che sees this as an important challenge and opportunity for his team. "Of the 90 stable elements, about 60 of them are used in our devices. Many of those are rare metals, crucial minerals," he said. "As we grow capacity and units in the data center, we must ensure in the future we have a responsible way to reuse or recycle those materials." 

¹. Source: <https://www.westerndigital.com/company/corporate-responsibility>

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Carl Paquin
Millenium Micro Group

EMBRACING THE DIGITAL TRANSFORMATION WAVE

As the final quarter of the year approaches, the Canadian IT sector is gearing up for what promises to be a transformative period. With the COVID-19 pandemic continuing to reshape how businesses operate and Canadians live their lives, the demand for innovative IT solutions is at an all-time high.

Q4 2023 is poised to witness a surge in Canadian IT sales as organizations across the country embrace the digital transformation wave. Here's an editorial on what to expect in the coming months.

Remote Work Revolution

The remote work revolution shows no signs of slowing down. Companies have realized the benefits of a flexible work environment, and many are planning to continue offering remote work options. This trend is driving investments in cloud infrastructure, collaboration tools, and cybersecurity solutions, all of which are expected to boost IT sales.

E-commerce Boom

E-commerce in Canada has been on the rise for years, and the pandemic has only accelerated this trend. As more businesses shift online, they require robust e-commerce platforms, secure payment processing systems, and data analytics tools. IT companies specializing in these areas can expect brisk business in Q4.

Healthcare IT

The healthcare sector has seen a rapid adoption of digital solutions, including telemedicine platforms, electronic health records, and remote patient monitoring systems. With the ongoing focus on public health, investments in healthcare IT are expected to remain strong.

Cybersecurity Concerns

As more data moves online, cybersecurity becomes a paramount concern. Canadian businesses are increasing their cybersecurity budgets to protect against the rising threat of cyberattacks. IT companies offering advanced threat detection and prevention solutions will find a receptive market.

AI and Automation

Automation and artificial intelligence are transforming industries from manufacturing to customer service. Canadian businesses are investing in AI-driven solutions to streamline operations, improve customer experiences, and gain a competitive edge.

5G Revolution

The rollout of 5G networks is gaining momentum in Canada, promising faster and more reliable connectivity. This will open up new possibilities for IoT applications, smart cities, and augmented reality experiences, creating opportunities for IT companies to provide innovative solutions.

Sustainable IT

Sustainability is increasingly on the agenda for businesses. Green IT solutions, energy-efficient data centers, and environmentally friendly hardware and software options are gaining traction. IT companies that can offer eco-friendly alternatives are likely to see increased demand.

Supply Chain Challenges

The ongoing global supply chain challenges are impacting the availability of IT hardware and components. IT companies will need to navigate these supply chain issues and find innovative ways to meet customer demand.

Skills Gap







The demand for IT professionals continues to outpace the supply. Companies are investing in training and development programs to upskill their existing workforce and fill critical IT roles. This presents opportunities for IT education and training providers.

In conclusion, Q4 2023 promises to be a robust period for Canadian IT sales. Businesses across various sectors are recognizing the importance of digital transformation in staying competitive and resilient in an ever-changing landscape. As the world becomes increasingly reliant on technology, the Canadian IT industry is well positioned to lead the charge in delivering innovative solutions that drive growth and efficiency. 








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Lee-Anne A. Coleman
JEI Tech



HOW BUSINESSES CAN GAIN A COMPETITIVE ADVANTAGE WITH AI

Artificial intelligence (AI) is poised to transform businesses by enhancing productivity and providing a competitive edge. Small to mid-sized businesses (SMBs) can harness the potential of AI to gain a sustainable advantage and boost profitability. As AI becomes an integral part of infrastructure, early adopters are likely to outperform their competitors.

AI's appeal lies in its ability to automate routine tasks, liberating employees from mundane work and allowing them to focus on more creative and fulfilling tasks. This not only boosts motivation and engagement but also enhances productivity. By automating lower-level tasks, AI empowers employees to concentrate on strategic objectives that significantly contribute to the company's bottom line.


Another compelling reason to embrace AI is its ability to provide access to superior information. AI-driven data collection, exemplified by social media platforms, has made data one of the world's most valuable resources. SMBs armed with high-quality data gain a competitive advantage, making it challenging for traditional businesses to compete, especially at scale.

AI's impact on marketing is significant, enabling hyper-personalization of marketing materials tailored to individual interests, behaviours, and attitudes. This results in higher-quality pros-

pects, deeper rapport, increased closing rates, faster sales cycles, and accelerated growth. SMBs leverage AI to ensure sales teams don't waste time on unqualified prospects, optimizing their resources for maximum efficiency.

AI also enhances collaboration through cloud-based data sharing. AI-powered cloud services facilitate cross-departmental communication and innovation, accelerating the development and deployment of new products and services, ultimately leading to increased profits.

Additionally, AI addresses the issue of human error, a significant factor in cybersecurity breaches. AI-powered solutions can pre-emptively filter out dangerous emails, reducing the likelihood of employees falling victim to phishing attacks. By automatically identifying suspicious messages and notifications, AI enhances security, providing peace of mind for business owners across industries.

In conclusion, early adoption of AI is pivotal for SMBs looking to gain a competitive advantage and drive long-term profitability. By automating tasks, improving data-driven decision-making, enhancing marketing efforts, facilitating collaboration, and reducing human errors, AI empowers businesses to thrive in an increasingly competitive landscape. 



27" 4K UHD IPS monitor (27BK67U-B)

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Tom Bovingdon
Infinity Network Solutions

THE EVOLVING FACE OF EDR CYBER SECURITY: ADAPTING TO EMERGING CYBER THREATS

Cyber threats are becoming more complex, especially in an era of interconnected networks. Organizations worldwide must adopt a dynamic approach to safeguard their digital assets because traditional cybersecurity tools fall short in the face of today's threats.

Enter Endpoint Detection and Response, or EDR: it not only identifies and mitigates attacks but also adapts to the ever-changing tactics of cybercriminals, making it crucial in countering emerging cyber threats.

Why EDR Matters

Endpoint devices, such as desktops, mobile devices, and servers, are commonly targeted entry points for most cyberattacks within an organization's network. This is why having a robust EDR system that offers real-time visibility and control over endpoint activities is vital.

1. Threat Detection

EDR continuously monitors endpoint activities, looking for suspicious behaviour and potential indicators of compromise. It identifies threats that traditional antivirus software or firewalls may miss, making it a crucial layer of defence.

2. Incident Response

Besides alerting security teams when threats are detected, EDR provides actionable insights for effective investigation and response. This response reduces the duration threats stay within the network, limiting potential damage.

Cyber threats are becoming more complex, especially in an era of interconnected networks. Organizations worldwide must adopt a dynamic approach to safeguard their digital assets because traditional cybersecurity tools fall short in the face of today's threats.

3. Adaptability

EDR solutions evolve alongside cyber threats thanks to machine learning, behavioural analytics, and threat intelligence. This enables the systems to stay ahead of attackers, adapting to new tactics as they emerge.

How EDR Works

At its core, EDR works by monitoring and analyzing endpoint activities in real-time. Here's a quick rundown of its functioning:

1. Data Collection

EDR agents are deployed on each endpoint to collect telemetry data on processes, file changes, and network connections. This data is sent to a central console for analysis.

2. Behavioural Analysis

EDR solutions use behavioural analysis to establish a baseline of normal activity for each endpoint. Deviations from this baseline are flagged as potential threats.

3. Threat Detection

EDR uses signature-based detection, anomaly detection, heuristics, and other techniques to detect threats. It cross-references endpoint activities with threat intelligence databases to identify known malware and indicators of compromise.


4. Containment and Remediation

Remediation actions can be initiated to remove the threat and restore affected systems.

5. Continuous Monitoring

EDR maintains ongoing surveillance of endpoints to ensure that any re-emergence of threats is swiftly addressed.

EDR: Safeguarding Your Digital Future

EDR is essential for protecting digital assets. Its ability to detect, respond to, and adapt to emerging cyber threats makes it vital for safeguarding critical digital assets and data. Organizations need to take action to implement EDR as a frontline defence and confidently navigate the ever-changing face of cyber threats. 



KEEPING THE POWER ON IS CRITICAL TO YOUR BUSINESS

Working from home or an office, storms can keep you from staying connected

Storms can pop up suddenly and severe weather can wreak havoc on any business with downed power lines or loss of critical data. The best defense for weather-related power problems is to have a plan. Here are a few ways you can prepare now.

1 Establish a backup power plan

Don't let lost power mean lost productivity, data or business. Whether it's for a home office, network closet or data center environment, backup power is a critical component to getting your office up and running quickly. Have your UPS and other IT equipment serviced and batteries replaced regularly.

2 Develop a disaster recovery plan for your data

Everyone needs a plan and the necessary support to ensure a rapid recovery – with its data intact. Working in virtual environments guarantees the seamless movement of data from one source to the next.

3 Document and share your team's procedures for responding during a natural disaster

Having all the right equipment and tools isn't much help without clear documentation on how your team should respond to a disaster. Documenting the processes and procedures to follow will not only benefit your organization but will also help protect your employees and customers.

For more information:
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or visit poweradvantage.eaton.com

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David Néron
Hector Solutions d'Affaires



A WELL-ORDERED NETWORK INFRASTRUCTURE

Have you ever had a computer problem and your technician spent hours looking for the problem? Has this situation forced you to take immediate action to organize your network infrastructure? Such a reorganization can entail an investment of several thousand dollars.

Network infrastructure is like the human nervous system. It is complex and must be healthy.

Of course, the hardest part is knowing what you need, so that you can build the right infrastructure for the job. If it's set up properly from the outset, it will be easier to maintain and adapt over time.

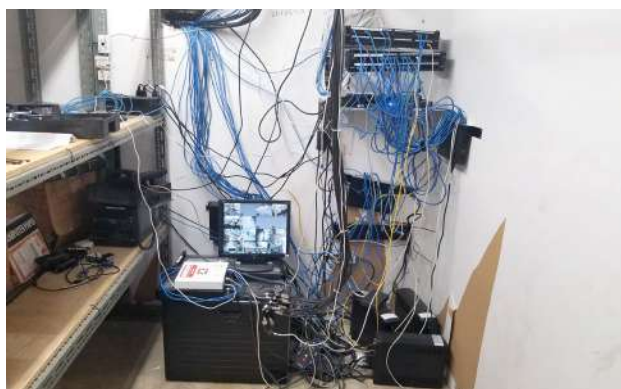
The first step is to find the ideal location. A room or space with limited or controlled access. You don't want everyone to have access to this vital structure. It should be well-ventilated and, if possible, ventilated and/or air-conditioned.

Next, you'll need a suitable frame to house the equipment required for the infrastructure. Whether it's a wall-mounted cabinet or an H-frame, it must be securely fastened to plywood if wall-mounted, or bolted to the floor in the case of an H-frame.

Network infrastructure is like the human nervous system. It is complex and must be healthy.

A mobile cabinet or frame on locking wheels can also do the trick. This also involves central network cabling. In an ideal world, two (2) network sockets per office should be provided and connected to a patch panel. These outlets should be identified on their plates with the same number as the patch panel. Ceiling outlets should also be provided for WiFi access points, as well as outlets for networked printers or copiers.


The number of network outlets should be around 10% less than the number of ports available on the switches. This gives us room for expansion, and lets us know the type and format of the switch(es) to be installed. It will also allow us to know the number of grommets needed to connect equipment in an orderly fashion.



Next comes the "HEART" of your infrastructure, and that is of course your Firewall. It's vital to identify the load, number of users, VPNs and other factors that can affect the performance of your firewall. This also has an impact on your bandwidth, enabling you to benefit from the maximum potential of your Internet connection.

All components of this infrastructure must be connected in an orderly and methodical fashion. A colour code to identify connected equipment is strongly recommended when patching.



If you have an infrastructure that looks like the photo on the left, consult your IT specialists for one that looks like the photo on the right. 

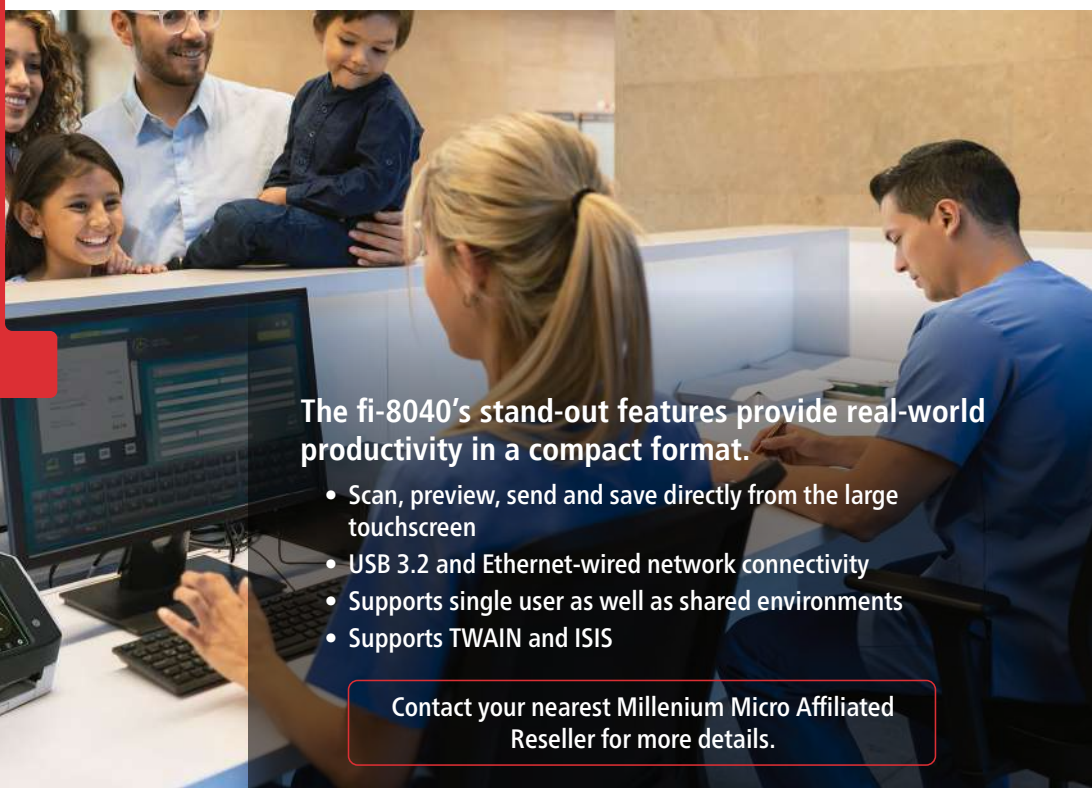
Finally, equipment identification makes the whole installation coherent and easy to understand. This identification makes it possible to quickly find the various components during servicing or maintenance, or even an emergency intervention.

If you have an infrastructure that looks like the photo on the left,

RICOH fi-8040
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The fi-8040's stand-out features provide real-world productivity in a compact format.

- Scan, preview, send and save directly from the large touchscreen
- USB 3.2 and Ethernet-wired network connectivity
- Supports single user as well as shared environments
- Supports TWAIN and ISIS

Contact your nearest Millenium Micro Affiliated Reseller for more details.

Discover the best audio device in the market



Thinking of upgrading your calling experience? Is it possible to enjoy an added calling capacity and a simple installation process at a lower cost? The answer is YES! Having your mobile, deskphone, headset, and PC work in an innovative and collaborative way, the Alcatel-Lucent Enterprise Myriad series SIP Phone featured with Audio Hub will be your right choice.

Super-wideband Voice, Exceptional 360° Audio Tuning

The Myriad Series offers first-class HD audio performance with enhanced audio components and sound chamber design. Super wideband in handsfree mode delivers Symphonic HD Voice that takes audio experiences to the next level.

The Myriad Series features exceptional 360° audio tuning around the phone in handsfree mode. Together with super wideband technology and the full-duplex speakerphone, it makes the phone an excellent hands-free conference speaker for 3-4 people.

Classic Elegant Design, Enhanced User Experience

The Myriad Series has an elegant, European-inspired industrial design. The modern, intuitive user interface enables easy call management and quick access to up to 10 lines. It features large hard keys, vivid LED indicators and a 4-way navigator centered with the "OK" key for an enhanced user experience.

The M5, M7 and M8 include color displays, further boosting operation efficiency. In addition, it is possible to customize the wallpaper of the screen to further improve brand presence.

Advanced Connectivity (Audio Hub), Great Flexibility

The Myriad Series can connect to PC softphone calls through an integrated USB port, turning the deskphone into an Audio Hub. This turns the deskphone into a high-quality speakerphone that can stream audio in enhanced HD or a full duplex handsfree device.

The series also supports connection to external devices such as ALE expansion modules (EM20/EM200), Wi-Fi dongles, and wired or wireless Bluetooth headsets, allowing customers to best leverage the value of their phones.

The USB-C port can also be used to power deskphones like most smart phones on the market.

Enterprise-grade Functionality, Seamless Platform integration

The Myriad Series offers enterprise-grade telephony features such 10-line keys, 5 programmable soft keys, Gigabit support and 12-party local conferencing to better facilitate business efficiency and boost teamwork.

The standard SIP protocol offers seamless integration with major open SIP servers such as Asterisk, BroadSoft, Metaswitch, RingCentral and 3CX.

Alcatel-Lucent Enterprise's Myriad Series SIP Phones include 4 enterprise-class models: the M3, M5, M7 and the latest launched M8, suitable for executives, managers, and professionals with a high demand for quality telephony services.



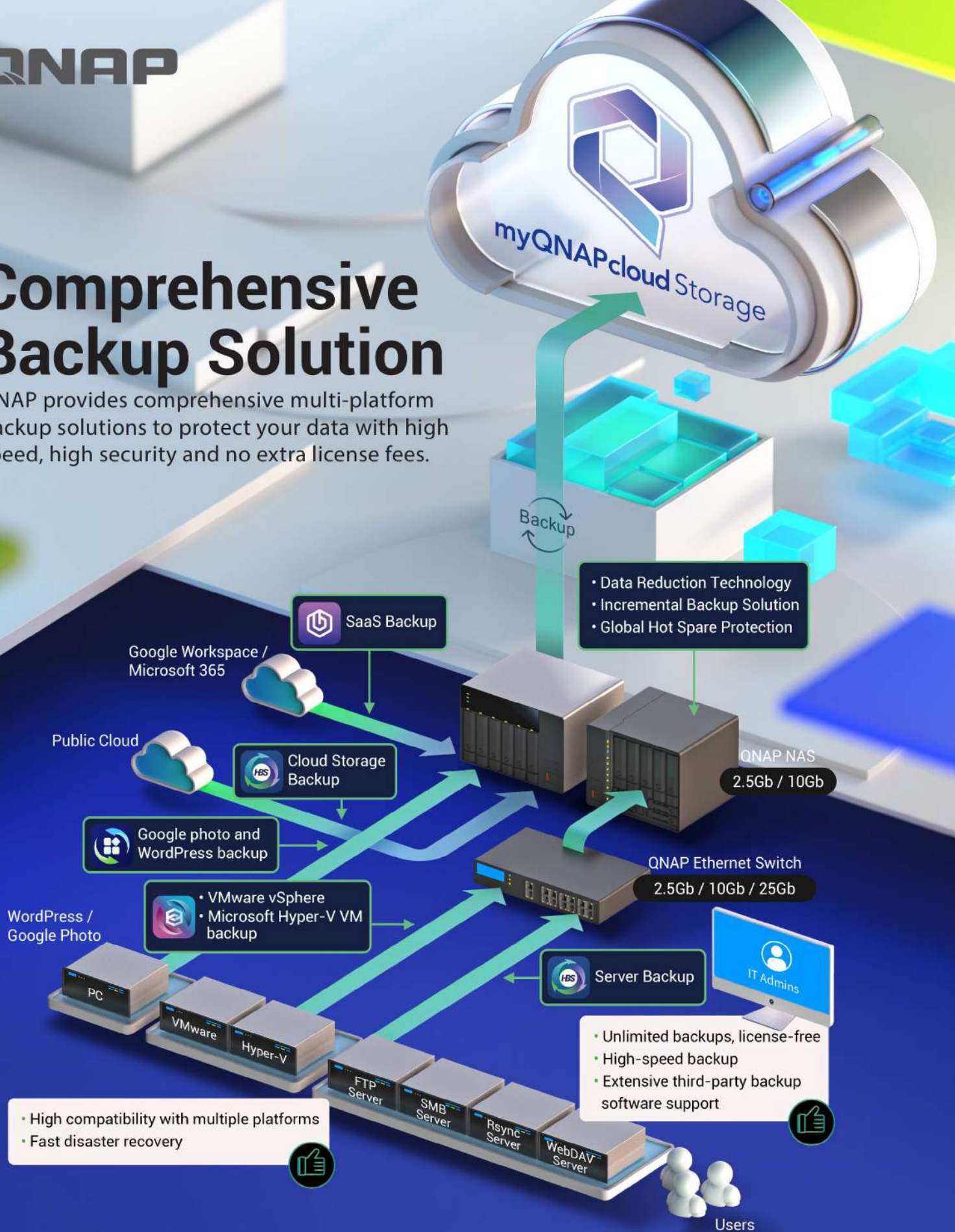
Alcatel-Lucent Enterprise offers diverse choices to best match your business needs.

The Halo Series SIP Phone is an entry-level deskphones with robust performance. It is a cost-effective option for corporate staff, call centers, hotel rooms, and many other scenarios with basic calling needs.

For more information, please contact your Millenium Micro Affiliated Reseller nearest you.

Comprehensive Backup Solution

QNAP provides comprehensive multi-platform backup solutions to protect your data with high speed, high security and no extra license fees.





Marc Malette
DMIB



HOW TO PROTECT YOURSELF ON A PUBLIC NETWORK?

As its name suggests, the public network is open to everyone and even to cybercriminals. It is important to keep your employees up to date on the proper use of public networks. What are the cyber threats to which your data is exposed? How to protect yourself from it? Let's see how to find it below.

Differences between public and private network

Consider the network as a gateway to the Internet. Often, if this access is free, we speak of a public network. This is the case of networks found in libraries, shopping malls, restaurants, etc. If, on the contrary, we need a key, or a password, then we speak of a private network.

The IT security issues on a public and private network are similar:

On a public network:

- Your data is not protected;
- Anyone can connect without authenticating;
- The network generally bears the same name as the place where it is offered (for example, "WiFi mall").

On a private network:

- Your data is not always protected;
- Everyone can connect with authentication;
- You need a password, or a security key, to connect to it.

Did you know that since teleworking has become popular, the number of hacking attempts has exploded?

The main dangers of public and private networks

Did you know that since teleworking has become popular, the number of hacking attempts has exploded? To secure your data, inform your employees of the points that require their attention during a public and private connection:

- **Data confidentiality:** public networks do not encrypt your data optimally. A hacker can easily manage to find the key that will allow him to access your information.
- **Malware and viruses:** if a public network is infiltrated by hackers, hackers can force the installation of malware on users' devices. This allows them to spy on your activity and access your sensitive information continuously.
- **Network spoofing:** double-check the name of the public network you are connecting to. It is possible for a hacker to create a fake public network, whose name is modelled on the original. By connecting to the wrong WiFi, you provide prime access to cyber threats.

Worse: the risk of falling victim to these threats is increased when using a personal device, rather than a company-configured computer. It is increasingly common for employers to allow the **use of a personal computer** for remote work, for practical and economic reasons. Fortunately, there are techniques to protect yourself from all these dangers.

Tips for protecting yourself on a public and private network

As you may have understood, the watchword is to protect yourself. To save you headaches, we recommend that you use a **virtual private network** (often referred to by its acronym, VPN): these networks allow your data to be scrambled to hide it from the eyes of intruders.

Most companies that allow telework use it. This method provides controlled access to company software while protecting sensitive information. In case that you do not have a paid VPN, we recommend that you share your cellular connection.

Finally, you can limit the risk of data theft by advising your team to avoid visiting sensitive sites (such as a bank account for example). Finally, it is a good idea to turn off the WiFi when you are not using it. By doing so, you put the odds on your side so that everyone enjoys hassle-free browsing!

How to secure a public network?


Some companies have a public network in addition to their private network. We think for example of the guest network, which gives WiFi access to visitors without interfering with the network of employees.

To secure a public corporate network:

- Give it a distinct name: reserve its use strictly for visitors. Its title must not lead to confusion with your main network;
- Assign it a different password to be regularly renewed;
- Limit its distribution, so that it is not visible outside your offices;
- Make sure your firewalls, antivirus and router are up to date.

This is an essential aspect, which should not be neglected. Prevention of malicious intrusions, protection against data theft; strengthening the computer security of your networks, it is your reputation and your identity that you are protecting.

Conclusion – Delegate the management of your cybersecurity

Data protection is a major issue for companies. It may even be a problem you are facing right now. Our cybersecurity experts can advise you on the right network security strategies. If you want to go further, contact your Millenium Micro affiliated reseller to protect your IT fleet. 



TIRED OF CHANGING INK CARTRIDGES?



How many times has your printer run out of ink when you just need a simple print? It's high time you bought a Canon MegaTank printer. So you won't have to think about ink for a long... long time.

Save 80% on the total cost of ownership*

As a small business owner, it's all about protecting your bottom line, and constantly changing your ink is costing you time and money. Running out of ink when you need to print is one thing you don't want to happen. Thanks to low running costs of roughly two cents, Economy Mode setting, Auto-duplex printing, and high-volume ink bottles that produce approximately 14,000 sheets in colour and approximately 6,000 sheets in black ink – the overall cost of ownership when compared to other printers in their class is lower with a MAXIFY GX Series refillable printer.

Peace-of-mind 3-year limited warranty

For any small business, like a local retailer, accounting group, or real estate agency to name a few, the MAXIFY GX Series refillable printers are designed with ease, convenience, and productivity in mind. Inclusive of a three-year limited warranty, business owners can rest easier knowing that they are covered should unforeseen hiccups present themselves. In addition, having a workhorse printer with the versatility to print in colour and black and white, the ability to print on plain paper along with a variety of media, such as envelopes and labels, and including a paper tray with large capacity is essential to help improve the overall workflow of daily activities.

Print up to 14,000 colour pages**

With MAXIFY GX Refillable Printers, you can print for longer without needing to constantly replace inks! The replacement ink bottles can print up to 6,000 crisp black and white docs / 14,000 stunning colour documents. Also, the ability to print from labels to banner papers – glossy media and envelopes, helps business owners to not miss a beat and can help to expand their business for future opportunities.

Easy refillable ink tanks and remote printing

MAXIFY GX Series Refillable Printers feature a front-facing, built-in refillable ink tank system that makes it easy for your team to monitor ink levels and refill when needed. It's easier than changing the coffee filter at work! Plus, you can print, copy or scan using your mobile device and connect to the cloud via the Canon PRINT app. Compatible Apple Airprint® (iOS), and Mopria® (Android). More details on pages 18-19. [\[Link\]](#)

"My MegaTank Printer is reliable for my everyday needs and it's cost-efficient, making it a great business investment!"

Bryan Baeumler- Contractor and entrepreneur from HGTV Canada's Island of Bryan



* Total Cost of Ownership (TCO) is based on initial purchase price of hardware + cost of ink/toner over a fixed period (see below for conditions). Additional variable costs may influence TCO, including but not limited to other consumables, ink/toner bundles, high yield ink/toner packs, servicing, power consumption and replacement parts. TCO % savings stated represents an estimation of total cost savings.

** Claim is based on page yield of 6,000 Black/14,000 Colour pages per ink bottle set and MSRP (USD) of \$126.96 for full set of GI-23 ink bottles (1 bottle each of Cyan, Magenta, Yellow, Black) as of March 2021. Page yield of colour inks is an average yield of cyan, magenta and yellow inks combined. Page yield of included ink bottles used for initial setup is lower than the replacement ink bottles, as a certain amount of ink is consumed to fill into the print head during setup (charging the print head initially). Actual page yield and cost per print will vary significantly based on content printed, ink levels maintained in all four ink reservoirs, and other factors. Page yield is the estimated value based on Canon individual testing method using ISO/IEC 24712 test chart and continuous printing simulation with full set of replacement ink bottles after initial setup. Ink value savings and cost per print comparison with laser is based on total cost (using online manufacturers' prices as of March 2021) of high yield and standard capacity (where high yield are not available) laser cartridges necessary to achieve equivalent page yields by similarly featured colour laser printers. Page yield of included ink bottles used for initial setup is lower than the replacement ink bottles, as a certain amount of ink is consumed to fill into the print head during setup (charging the print head initially). Page yield is the estimated value based on Canon individual test method using the ISO/IEC 29103 chart and continuous printing simulation with the replacement ink bottles after initial setup. Page yield varies significantly depending on content printed, ink levels maintained in all six reservoirs, and other factors.



Maximize productivity, minimize costs

No matter the size of your office – home office, midsize company, large enterprise – Canon has a wide range of printing solutions – single function and multifunction; colour and black and white – designed to help you run your business.

PIXMA TR150 Wireless Portable Printer

Take your printing on the go with the PIXMA TR150 Wireless Portable Printer with Battery Pack. Compact and lightweight, this versatile, space-saving printer is designed for outstanding portability, featuring an included battery for convenient printing, even when you're on the move.



imageFORMULA DR-C230 Office Document Scanner

Help boost office efficiency and productivity with the user-friendly Canon imageFORMULA DR-C230 office document scanner. With its powerful document capture capabilities and dynamic ability to scan various document types like passports, this scanner can easily convert paper-based documents into high-quality digital files for almost any office environment.

Colour imageCLASS MF751Cdw Multifunction Printer

Designed for small and medium-size businesses, the imageCLASS MF751Cdw model balances speedy performance and minimal maintenance. A customizable, 5" colour touchscreen delivers an intuitive user experience.



Colour imageCLASS MF275dw Wireless All-in-One Laser Printer

The imageCLASS MF275dw is designed for home or small office environments where black and white print-only functionality is needed, and productivity / ease of use are priorities. The MF275dw comes with a 1 year limited warranty and is backed by Canon's service and support network.



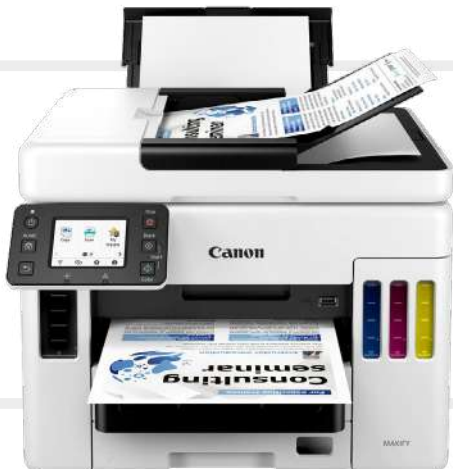
PIXMA TR4720 Wireless All-in-One Printer

For all your work or home printing needs, the PIXMA TR4720 Wireless All-in-One Printer has you covered. Enjoy simple setup through the Canon PRINT Inkjet/SELPHY App and an easy to install 2-Cartridge hybrid ink system and front loading 100-sheet paper tray.



PIXMA G3270 MegaTank Printer

Designed for home and home offices, the Canon PIXMA G3270 MegaTank All-in-One inkjet printer delivers high-quality, low-cost printing, and outstanding wireless connectivity in a compact size. Get serious print productivity with a high page yield of up to 6,000 Black / 7,700 Colour pages per full ink bottle set and a low cost per print.



MAXIFY GX7020 MegaTank Printer

Designed to meet the needs of small offices, the MAXIFY GX7020 delivers high-quality, low-cost printing, and outstanding wireless connectivity. Get serious print productivity with a high page yield of up to 6,000 Black / 14,000 Colour pages per full ink bottle set and a combined 600 sheet plain paper capacity. Print business quality documents with an average savings of 80% of the total cost of ownership with the new MAXIFY GX7020.

Wi-Fi 7

WIFI 7: WIFI LIKE NEVER BEFORE!



What is WiFi 7?

WiFi 7 is the upcoming WiFi standard, also known as IEEE 802.11be Extremely High Throughput (EHT). It works across all three bands (2.4 GHz, 5 GHz, and 6 GHz) to fully utilize spectrum resources. While WiFi 6 was built in response to the growing number of devices in the world, WiFi 7's goal is to deliver astounding speeds for every device with greater efficiency. If you're struggling with constant buffering, lag, or congestion, a WiFi 7 router may be your best solution.

WiFi 7 introduces 320 MHz ultra-wide bandwidth, 4096-QAM, Multi-RU, and Multi-Link Operation to provide speeds 4.8 times faster than WiFi 6 and 13 times faster than WiFi 5. Unlock more scenarios than ever before.



What's Different from the Previous Generations?

Although WiFi 6 provided 37% faster speeds, it was not as impactful as the 10-fold rate increase that WiFi 5 brought. The difference stemmed from the original intention of the WiFi 6 project, which aimed to improve efficiency rather than data rates. WiFi 7, on the other hand, is designed for a generation of higher throughput.

WiFi 7 makes giant strides in throughput – 480% more than previous generations. Thanks to backward compatibility a WiFi 7 router opens up your entire home to the latest online experiences.

WiFi 7 Applications:

A Real Upgrade for Businesses

Long login waits, out-of-sync virtual meetings, and congested internet environments all make getting the job done harder. For smoother and more reliable experiences, WiFi 7 is key.

Run a lag-free meeting across time zones with global partners and hash out ideas. Telecommute from home with WiFi 7, so you waste no time loading things from the cloud.


The higher efficiency of the next generation of WiFi will bring huge value to your business.

An Unstoppable Stream of Entertainment

Enjoy massive online games, immersive AR/VR, and 4K/8K video anytime, anywhere. Experience a bustling digital world with no buffering, delay, or congestion, all thanks to WiFi 7. When everyone starts exploring the Metaverse, you'll be ready.

A Revolution in the Intelligent Lifestyle

WiFi 7 leads to a true intelligent life. If you own multiple smart home devices or simply have a large number of internet devices in your household, WiFi 7 will keep them online with superfast response times.

No more pauses before your smart speaker responds to you. Everything happens immediately, right when you want it. 

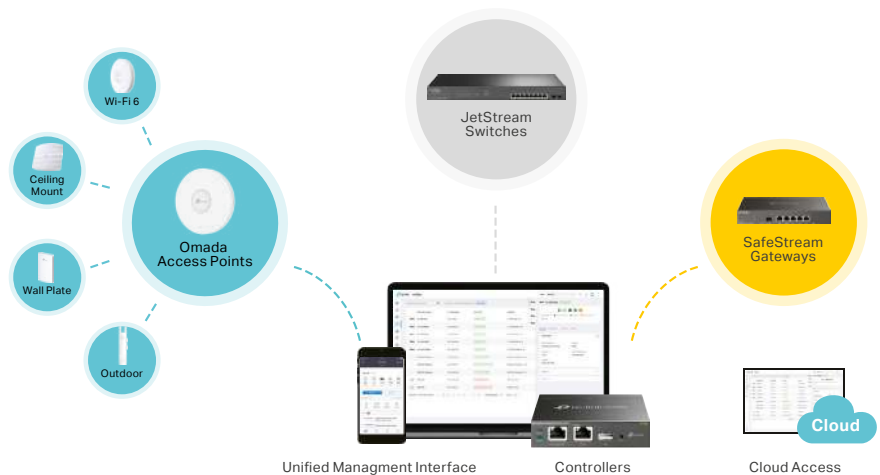
Enterprise Quality Commercial Networking with Omada SDN

Through the innovation of Wi-Fi 6, there has been a massive upheaval and adoption of mobile and remote technologies. Users are more independent and mobile than ever before, and this means that data infrastructure needs to keep up to ensure they are uninhibited when connected to a large quantity and wide variety of devices. As a result, System Integrators and Managed Service Providers need a solution so they can easily manage their networks in a cost-effective, and scalable way from anywhere.

That's where Omada SDN solves everything.

TP-Link Omada's Software Defined Networking (SDN) platform integrates all network devices, including access points, switches, and gateways, providing 100% centralized and remote cloud management. Omada creates a highly scalable network—all controlled from a single interface. Seamless wireless and wired connections are provided, ideal for use in hospitality, education, retail, offices, and more.

For high-density environments TP-Link's access points like the EAP660 HD and EAP620HD provide connections to even more devices simultaneously, providing uninterrupted service and seamless roaming across large areas using mesh networks.



Hospitality
High Quality and Full Coverage Wi-Fi



Education
High-Density Wi-Fi



Retail
Social Marketing for Online-to-Offline



Office
Wireless and Wired Connections



Catering
Full Wi-Fi Coverage in High-Density Environment

Switch It Up!



OVERVIEW

Whether you're a software developer that needs to access two environments at once; a product team that needs to quickly collaborate on the spot; a network engineer that needs to access two systems; or even a remote worker who wants to keep their work and personal computer connected and within arm's reach, maximize your efficiency with the **USB-C® Dual Host Hybrid Triple Video KVM Docking Station with Dual 100W Power.**



With the benefits of KVM technology, this docking station lets you connect and control two laptops and share up to three monitors and several peripherals between them while docked – resulting in increased collaboration, improved efficiencies, and a streamlined desktop experience with only one keyboard and mouse operating two devices.

Compatible with Mac and Windows®, simply connect your USB-C enabled host devices, your USB-C (1x USB 3.2 Gen 2) or USB-A (2x USB 3.2 Gen 2; 2x USB 2.0) peripherals, and your HDMI (1x) or DisplayPort (2x) monitors. Then with the press of a button or click of a mouse, you can alternate between devices or use them simultaneously* – and all while keeping them powered through the single docking station.

* Software only works on Windows and macOS.

MAIN FEATURES

- Power Delivery 3.0 up to 100W for both hosts simultaneously
- 1x USB 3.2 Gen 2 Type-C (10 Gbps) port
- 2x USB 3.2 Gen 2 Type-A (10 Gbps) ports
- 2x USB 2.0 Type-A ports
- 1x Gigabit Ethernet port (works with KVM switching)
- 1x 3.5mm Audio In for mics
- 1x 3.5mm Audio Out for speakers or headphones
- Integrated lock slot accommodates standard security locks to safeguard equipment
- 2x 1M USB-C (10 Gbps) detachable host cable (C/M to C/M) screw in cable

DOCK750USZ PORTS



To learn more:

Ask your nearest Millenium Micro Affiliated Reseller and increase your productivity with Targus!

USB TYPE-C IN 2023: WHAT YOU NEED TO KNOW

USB Type-C continues to evolve. During our latest Tech Talk webinar, Targus Field Application Engineer Colin MacGregor shared the latest insights on connectivity updates and enhancements, and how to take advantage of them to better meet the needs of your enterprise and end users.

Specifically, he gave the audience a deeper look at the changes in specifications as we shift from technologies like Thunderbolt 3 to USB4, Thunderbolt 4, and USB Power Delivery 3.1. In case you missed the session or need a refresher course, you can watch the webinar on-demand now and read on for some of the highlights.

What is USB Power Delivery Revision 3.1?

Power delivery over type-C is the result of a strictly negotiated contract between a port pair. It must function independently of the OS. USB Power Delivery is not a USB alternate mode (alt-mode); however, it does support the entry and exit of alt-modes such as Thunderbolt 4 and DisplayPort.

Power delivery must function even if the host machine is in a mechanically off state. Finally, power delivery over Type-C is not a USB alternate mode. The specification is independent of protocols such as DisplayPort and Thunderbolt. However, PD does help negotiate the entry and exit from these alt modes.

Revision 3.1 introduces the extended power range (EPR). Access to the EPR requires an additional power delivery contract beyond the previously negotiated standard power range (SPR) contract. Access to the EPR requires a source, sink, and cable rated for these higher voltages. Failure to communicate support for PD 3.1 will limit the system to the SPR.

Thunderbolt 3 becomes public domain

Thunderbolt 3 is the connection-based tunneling architecture with a proprietary specification. Thunderbolt 3 offers impressive performance per marketing briefs, but the user experience is greatly dependent on the host machine implementation.

How Thunderbolt 3 evolved:

- In March 2017, the Thunderbolt controller was integrated into the Intel CPU, making the Thunderbolt specification available under a nonexclusive, royalty-free license;
- By January 2019, the Ice Lake mobile processor was the first CPU to integrate the Thunderbolt 3 controller;
- In March 2019, Intel contributed the Thunderbolt specification to the USB-IF and in August 2019, V 1.0 of the USB4 specification was released.


Thunderbolt 4

USB4 is the foundation of Thunderbolt 4. TBT4 is a superset of the USB4 specification which Intel will certify.

Why cables matter

TBT4 cables provide SPR, offering compliance to USB4 and backward compatibility to TBT3. Cables can also be uniquely used to extend power range and come with logo and branding options for personalization.

Summing it up

Flexible working should not result in the neglect of workspace standards – investments in tech accessories is a simple but often overlooked wellbeing factor. Choosing to buy quality products that are built to last can help protect our planet and our pockets. 



Build cyber resilience with Surface and Windows 11

Designed by Microsoft, security and devices that enhance your cyber resilience plan

Working anywhere has increased the risk of cyberattacks on a scale of impact ranging from local to global.

Most cyberattacks can be stopped with a few basic measures in place. Microsoft Surface with Windows 11 includes features enabled by default to promote safe practices and place accountability where it belongs: on everyone.



Security features enabled right out of the box

Secured-core PC provides advanced security for extra protection to handle your most sensitive information. Normalize security-centric behaviors within your organization and promote security-first thinking. Windows 11 helps security and business leaders satisfy the need for accountability across teams.



Advanced malware protection

Virtualization-based security (VSB) and Hypervisor-enforced Code Integrity — or memory integrity — work in tandem, performing sensitive security operations in an isolated environment to prevent malware from making its way into the system memory.



Secure Boot and BitLocker encryption

After startup, BitLocker encryption on every Surface device protects your data from unauthorized access — even if your hardware gets lost or stolen. Secure Boot ensures Windows 11 is authentic at every stage of the startup process.

For more information on Microsoft products for business, contact your local Millenium Micro Affiliated Reseller.



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