



# ENHANCING CYBERSECURITY IN AN EXPANDING RISK LANDSCAPE

How secure connections between wireless peripherals can help mitigate cyber incidents and empower employees in the hybrid workplace.

[The New Logic of Work](#)

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# The New Logic of Work: risk and reality

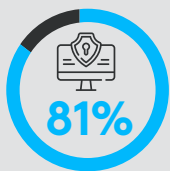
The world of work has changed rapidly since the pandemic. Where initially companies rushed to facilitate remote working, employees have grown to not only enjoy a hybrid environment but also work better in it. Today, many organisations are fully embracing a hybrid approach. However, this shift to more dynamic working practices has introduced a new enterprise security reality for IT teams around the globe. Users now work wherever is best for them rather than within the secure confines of the corporate firewall.

Moving into a “New Logic of Work” where the traditional desk setup is no longer the optimal way to be productive, laptops have become the centre of many people’s working life. They enable teams to be productive from wherever they are, whether it’s on public transport, in a cafe or at home. This expanded threat landscape has been a major cause of concern for IT teams, opening corporate devices and networks to new risks.



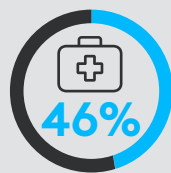
## Hazards facing businesses today

The risk of a cyber incident has been on the rise for a while, whether you’re a business, public service, government body, educational institution or an individual.



During the pandemic, **81% of global organisations experienced increased cybersecurity-related activity**, with 79% experiencing downtime due to a cyber incident during a peak season<sup>1</sup>.

According to ENISA (The European Union Agency for Cybersecurity), the number of cyber incidents targeting ‘critical sectors’ doubled in 2020, alongside a **46% rise in incidents aimed at hospitals and healthcare networks**<sup>2</sup>.



The cost of a breach has also swelled. For organisations, tighter data protection laws, such as Europe’s GDPR, mean that a hefty fine of up to €20 million or 4% of global turnover (whichever is higher) could be added to the reputational, financial, and operational damage caused by a cyber incident.

With the **average cost of a breach around €4 million**, cybersecurity is front of mind for organisations across sectors. It should be something every employee is aware of, too, especially given that **95% of cybersecurity issues are due to some form of human error**<sup>3</sup>.

As with most attacks, cyberattacks exploit points of vulnerability in their targets. This could be a bad line of code on a website, a negligent or malicious employee, malware in an email attachment, a stolen device or out-of-date software and hardware.

A lack of cybersecurity knowledge among employees also increases these risks. By taking a step further than standard cybersecurity measures, companies can show regulators, their insurers and, most importantly, their customers that no stone was left unturned in their pursuit of protection.

**In this whitepaper, we will look at an example of one such way businesses, organisations and institutions of all sizes can enhance their security posture, whether staff work in the office, at home or on the road – by securing wireless keyboards and mice.**



# An often overlooked corporate security vulnerability

With the “New Logic of Work”, IT organisations have implemented a wide range of new security measures and policies to protect remote workers.

This includes VPNs, enhanced endpoint security software, mobile device management systems, multifactor authentication, and more. But, even with these protections in place, there’s still one source of vulnerability and valuable data for hackers, and that’s the information passing between wireless peripherals and the computer itself.

## How can you secure peripherals and better protect your business?

To help prevent wireless mice and keyboards from becoming compromised, IT teams must ensure that the connections used by these devices are as secure as possible. For those with limited security resources, especially SMEs, these actions are crucial to prevent unauthorised access to data and systems.

The first step is making sure all devices are up to date on firmware and that the connections they establish are encrypted.

For devices that leverage *Bluetooth*®, the connection should utilise Security Mode 1, Level 4 (Secure Connections Only mode), which is FIPS (Federal Information Processing Standards) compliant. For devices that connect via a USB dongle, look for an anti-rollback feature for device firmware upgrades (DFUs) that are based on security.

This helps ensure that critical security patches aren’t accidentally removed while still allowing for rollbacks of non-security-related updates.



### How secure are your peripherals?

- Do you regularly update device firmware?
- Do wireless keyboards and mice use Secure Connections Only mode?
- Can you prevent devices connected to a USB dongle from being rolled back to earlier firmware versions?

## Logi Bolt: a secure solution

The way companies think about wireless computer peripherals has evolved as security risks grow in a hybrid world. Today, organisations primarily focus on the following in relation to peripherals:

- **Security**
- **Performance in congested environments**
- **Cross-platform compatibility**

That's why Logitech engineered a proprietary protocol called Logi Bolt, based on *Bluetooth*® Low Energy (BLE), that implements security features to prevent man-in-the-middle (MITM) attacks and avoid eavesdropping and injection. Logi Bolt technology is fully encrypted and FIPS compliant. This ensures a Logi Bolt wireless product and the Logi Bolt USB receiver can only communicate with one another.

With Logi Bolt, Logitech is committed to providing enterprise-grade enhanced security and a robust signal even in congested wireless environments. With its compatibility with all major operating systems and platforms, it also offers ease of deployment and management for IT departments big and small.



### Secure connection

Logi Bolt ensures communication between wireless mice and keyboards. The USB receiver is always encrypted, using an Authenticated Low Energy Secure Connections (LESC) encrypted pairing.

### Protected pairing

Logi Bolt USB receivers enforce Secure Connection Only Mode, with pairing requiring the two devices to be authenticated and the link encrypted.

### Simple, secure management

Logi Bolt features self-service security measures that still allow for centralised oversight, including alerts when a new device pairing is requested.



## Enhanced security shouldn't mean compromising **choice, comfort or productivity**

Laptops are today's tool of choice, especially for remote workers. But, while they're great for mobility, the compact keyboards and trackpads aren't ideal from a wellness perspective or for productive work over extended periods of time.

Wireless mice and keyboards offer a flexible solution that gives employees the freedom to position their input devices for comfort without cluttering their workspaces.

Using Logitech for Business solutions with Logi Bolt, employees and their organisations can benefit from the best of both worlds – secure connections and a choice of peripherals to suit their needs.

# Logitech for Business solutions with Logi Bolt

## The MX Master Series for Business

Unrivalled precision and performance combined with Logi Bolt technology, ideal for analysts, creators, coders and anyone with highly specialised workflow needs.

### MX KEYS COMBO FOR BUSINESS



The MX Keys for Business and MX Master 3S for Business combo with palm rest is the ultimate mouse and keyboard pairing for productivity.

### MX KEYS FOR BUSINESS



Boost the productivity of coders, analysts and creators who need stability, precision and power to elevate their work.



The MX Master 3S for Business is our iconic mouse, now even better with Quiet Click technology that reduces click noise by 90%. It works on any surface – even glass – with an 8K DPI sensor with customisable sensitivity.



Ultimate versatility meets remarkable performance. Discover the compact mouse designed for mobile work—from the home office to the cafe and airport lounge.

### MX KEYS MINI COMBO FOR BUSINESS



MX Keys Mini Combo for Business. A compact, high-performance mouse and keyboard that frees up more workspace to power productivity.

### MX KEYS MINI FOR BUSINESS



Featuring advanced functionality in a sleek minimalist design, MX Keys Mini for Business is great for those who need more workspace—especially creators with a demanding workflow.



Unrivalled precision and performance for analysts, creators, coders, and anyone with highly specialised workflow needs.

## The Ergo Series for Business

Mice and keyboards scientifically crafted to promote more natural posture and reduced muscle strain.

### ERGO K860 FOR BUSINESS



Free users to focus with a science-driven ergonomic keyboard that promotes a more relaxed, natural typing experience designed for hours of comfortable use.

### LIFT FOR BUSINESS



Approved by ergonomists, Lift for Business is the right size for every hand—left or right—improving posture and reducing forearm muscle fatigue.

### ERGO M575 FOR BUSINESS



With science-driven design and easy thumb control, this wireless trackball mouse is engineered to reduce hand movement, keeping the hand and arm relaxed, to provide hours of comfort.

## The Signature Series for Business

Improve productivity, comfort and overall employee experience by issuing Logitech Signature for Business solutions.

### SIGNATURE MK650 COMBO FOR BUSINESS



The comfort-designed Signature MK650 for Business Wireless Mouse increases productivity by 50% and work speed by 30% vs a laptop touchpad.

### SIGNATURE M650 FOR BUSINESS



The comfort-designed Signature M650 for Business Wireless Mouse increases productivity by 50% and work speed by 30% vs a laptop touchpad.

### SIGNATURE M650 L FOR BUSINESS



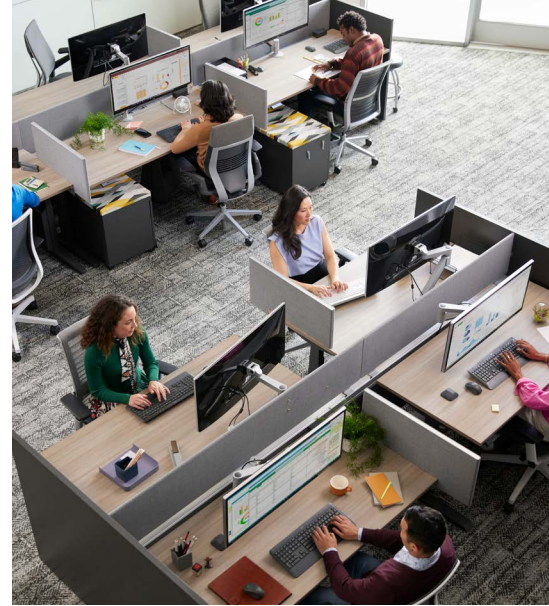
We recommend the Signature M650 for small-to-medium-sized hands and the Signature M650L for large-sized hands.

## Multiple devices

By using Logitech for Business solutions with Logi Bolt, employees can work faster and more productively wherever they are while maintaining security.

A single Logi Bolt receiver can pair up to six Logi Bolt devices with three active connections, making it especially convenient for employees using different devices in the office, at home and when travelling.

With the Logi Bolt receiver plugged into the laptop, different peripherals with Logi Bolt can be used securely in each location.



## Stronger signal, comprehensive compatibility

In addition to security, connection quality and compatibility are key concerns for organisations when choosing peripherals. Logi Bolt is engineered for reliable connections, even in wireless environments with a lot of interference from Wi-Fi access points or surrounding wireless devices.

Logi Bolt USB receivers provide a strong, reliable, drop-off-free connection up to 10 meters, in many cases with up to eight times lower latency than other commonly used receivers in busy, noisy corporate environments.

Furthermore, Logi Bolt works with just about every operating system and platform. In fact, Logi Bolt devices are more universally compatible than most leading peripheral brands on the market.

## More choice without compromise

There's a Logitech for Business solution with Logi Bolt for every user need, whether they're a power user with a demanding workflow, desire simplicity and enhanced productivity or require increased comfort through ergonomics.

Logi Bolt technology features across the Ergo, Signature and MX ranges of Logitech for Business keyboards and mice, ensuring users can work in a way that suits them without compromising security.



# Enhanced security for an **evolving world of work**

In today's "New Logic of Work", with increasing cyber risks, companies must identify vulnerabilities across all areas of their organisation. In addition to delivering a powerful and reliable connection and wide compatibility, Logitech for Business peripherals with Logi Bolt provide organisations with greater choice when it comes to protecting their business and empowering employees.

Whether as part of a device refresh or an adjustment in security policy, peripherals with Logi Bolt provide companies with the option to quickly step up security as needed without compromising user experience. As Logi Bolt is added to even more devices in its' for business' peripheral portfolio, Logitech is dedicated to ensuring organisations and end-users benefit from freedom of choice and flexibility alongside enhanced productivity and protection.



## Find out more about Logi Bolt and Logitech for Business solutions

### Contact Logitech Sales

#### Sources

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