

## Nymi Enterprise Edition

# Always On Authentication



## The Authentication Problem

As electronic records become more common in pharmaceutical manufacturing, gaps in data integrity are surfacing - and regulators are watching. As a result, employee waste a lot of time on processes that attempt to guarantee the authenticity of electronic records. However, today's authentication methods have several weaknesses:

- ⊗ **Username and passwords, smart cards, and PINs are easily lost, shared, or stolen**
- ⊗ **Time wasted typing and re-typing passwords**
- ⊗ **Complicated multi-step authentication is increasing friction and slowing down production**

### Compliance vs Productivity

Weak authentication is a compliance risk for **regulatory requirements**, such as the FDA's 21 CFR Part 11 and ALCOA+ principles. Strengthening authentication can force companies to put complex procedures in place that are **inefficient** and **cumbersome** for operators to follow.

These requirements compete with the desire to maximize **productivity**.

**What if they didn't have to choose?**

## Case Study: Typing Login Credentials

At a typical pharmaceutical company, shop floor operators can spend on average, **30s** typing their username and password, not to mention second attempts. Common issues include:

- ⊗ **Mistyping and repeated guessing of forgotten passwords**
- ⊗ **Forced lockouts after too many login attempts**
- ⊗ **Typing on touch screens while wearing gloves**

Operators performing e-signatures can type their login credentials into the Manufacturing Execution System (MES) over **200 times** in a single shift.

**30s x 200 logins per employee per day = 100 minutes**

On top of that, 30% of logins could require a second attempt.

**30% second attempts = a total of 130 minutes**

### How Do You Compare?



An employee could spend  
**> 2 hours**  
per shift just typing their  
username and password!

Check your company's MES or HMI for a log report of the amount of time spent for logins and second attempts.

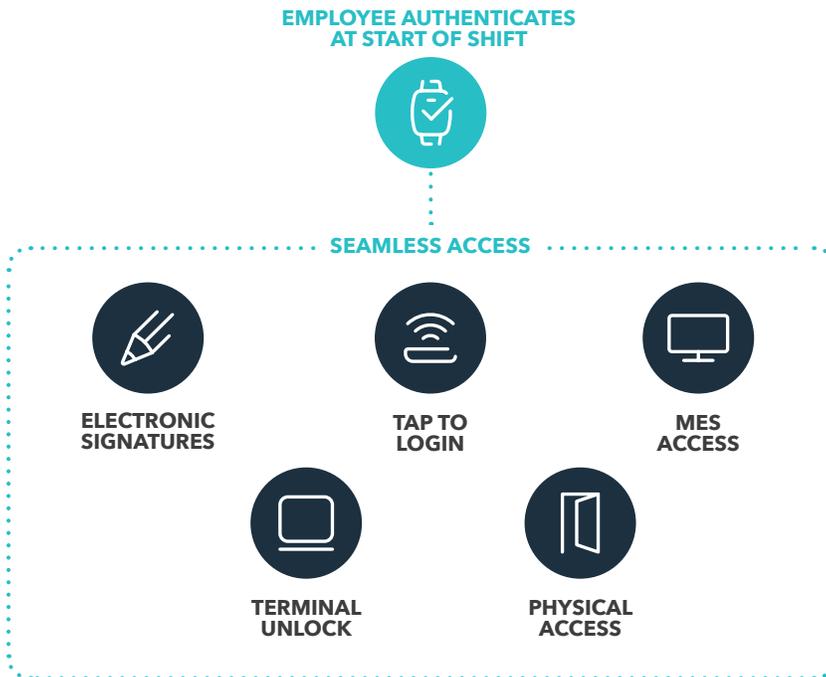
Consider the **productivity** that your operators could achieve if login times were cut in half, **or more!**

## Authentication Solved

By making multi-factor biometric authentication as simple as the click of a button or the tap of a reader, today's authentication challenges of friction and security are solved. At the beginning of their shift, operators authenticate to a Nymi Band worn on their wrist. This initiates a long-lasting authenticated state that persists until the device detects that it has come off the wrist.

Nymi Enterprise Edition handles the connection between Nymi Bands, employees, and common shop floor enterprise applications, such as:

- Manufacturing Execution System (MES)
- Human Machine Interface (HMI)
- Enterprise Resource Planning (ERP)



### Nymi Enterprise Edition

-  Increased Productivity
-  Data Integrity and Compliance
-  Tighter Security

### Ready to Learn More?



Nymi provides on-site workshops and demos to prospective customers. To get in touch with a Nymi Sales Rep, email [info@nymi.com](mailto:info@nymi.com).

More information about Nymi Enterprise Edition and its use cases can be found at [nymi.com](http://nymi.com).

### Our Partnerships

Nymi is proudly partnered with established providers in the pharmaceutical industry:



#### Single Sign-On (SSO)

Log into multiple enterprise systems using the Nymi wearable plugin to Evidian Access Manager, sold by Atos.



#### Manufacturing Execution System

Nymi is integrated directly with Werum's PAS|X MES for e-signatures and login.

#### Interested?

Contact us at [info@nymi.com](mailto:info@nymi.com) to discuss a pilot or a Nymi integration with your product.