nymi™

Connected Worker Platform

Technical Specifications

With the Connected Worker Platform, your business can finally solve productivity, security, and health & safety challenges in one easy-to-deploy solution.

The Connected Worker Platform consists of a platform and a wearable component.

Typical Applications

- Secure password replacement
- Physical access
- MES signing
- Health & Safety
- Contact Tracing

Benefits

- Tap-to-authenticate
- Efficiency gains
- Privacy by Design
- Natural UX
- Analytics
- Designed for active workers

v1.15

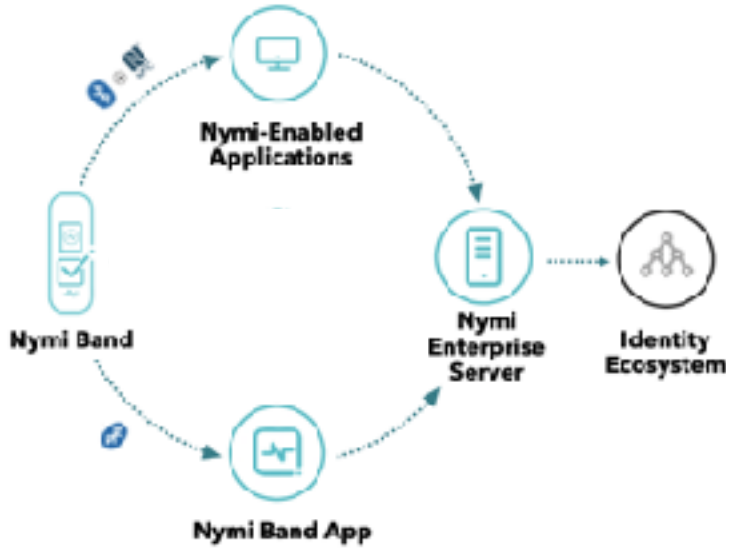
Connected in Confidence – the Nymi Band uses biometrics, on-body detection, and cryptography to connect you to your digital systems safely, securely, and simply.

Your identity is continuously authenticated allowing only intended users to access protected assets and physical spaces. Furthermore, once the Nymi Band leaves your wrist, it is no longer active.

Unlock your PC or sign off on critical manufacturing tasks with your hands-free Nymi Band. With NFC and BLE communication, simply tap to authenticate. Your health, safety, and security just became wearable.

Connect with us: **info@nymi.com** | **nymi.com**

Connected Worker Platform System Overview



Infrastructure Minimum Requirements		
Nymi Enterprise Server	**Software Requirements** • Microsoft Windows Server 2012 R2, 2016, or 2019 • Microsoft IIS • Microsoft SQL Server 2012, 2016, or 2017 • Microsoft .NET Framework 4.8 **Read access** to Domain Controller and Active Directory	**Hardware Requirements*** **1-5000 users:** • 4 Core CPU • 8GB RAM • 20GB free disk space **5000-10000 users:** • 4 Core CPU • 16GB RAM • 40GB free disk space

Nymi Band Application / Network Terminal	The Nymi Band Application/Network terminal is a machine that runs the Nymi Band Application or any Nymi-enabled Enterprise Software.
	
	Software Requirements
	• Windows 10, 64-bit
	• Windows 7, 64-bit
		Hardware Requirements
		• 4GB RAM
		• 5GB free disk space
		• 2 core CPU (recommended)
		• 2 USB 2.0 ports (one for the BLE Dongle, One for NFC reader)
		• Bluegiga BLED112 Bluetooth Low Energy (BLE) Dongle
		• Nymi recommended NFC Reader
		  • HID Omnikey 5022 CL
		  • *Should this reader not address your organization's use case in some way, please contact Nymi for additional options*

*The NES hardware requirements differ based on the nature of user operations, load, and other software that is deployed on the same server.

v1.15

nymi™

Nymi Band™ 3.0 Technical Specifications

Key Features	• Multi-factor biometric authentication		• On-body detection
Outputs	• OLED monochrome display (48x64 px)		• Haptic feedback
Connectivity	• Bluetooth Low Energy (BLE 4.2)		• Near-Field Communication (NFC)
Sensors	• Fingerprint • ECG	• Accelerometer • Gyroscope	• Optical proximity sensor • Capacitive sensor
Secure Credentials	• FIDO2 • FIDO (U2F)	• PIV • Nymi PKI	• HID Seos for physical access
Battery	• Built-in rechargeable Li-ion battery		• Typical 3-day battery life*
Charger	• USB-powered magnetic charging cradle		• Power & charging indication
Security	• AES and ECDSA for encryption and authentication • On-device biometric matching		• Secure over-the-air firmware upgrades
Device	• One-size-fits-all design		• Two-button navigation
Environment	• IP66 & IP67	• Charge: 15° to 30° C	• Operate: 0° to 45° C
Material	• Hypoallergenic • ISO 10993-1 biocompatible	• Stainless steel ECG electrodes	• Polycarbonate body • TPU strap and buttons
Compliance	• FCC: USA • CE: Europe	• IC: Canada • MIC: Japan	• CMIIT: China • IMDA: Singapore
Sanitization	Recommended sanitization process: spray the Nymi Band with an isopropyl alcohol-based solution and wipe down with a microfibre cloth.		
Dimensions	Length: 50 mm	Width: 19mm	Height: 11mm

v1.15

*Based on 300 NFC taps over 10 hours daily

Nymi Band™ 3.0

Key Features:

- **Biometric authentication**
  - Fingerprint sensor
  - ECG liveness detection
  - Continuous on-body detection
- **User privacy**
  - On-device storage of biometrics
  - User-controlled data deletion
- **Secure communication**
  - BLE, NFC
  - FIDO2, FIDO (U2F), PIV, HID Seos, Nymi PKI
- **BLE presence**
  - Automatic terminal locking
- **Upgrade support**
  - Feature enhancements via secure firmware upgrade