



Nymi Band™ 3.0

Technical Specifications
V2.0



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
- Accelerometer
- ECG
- Gyroscope
- Optical proximity sensor
- Capacitive sensor

Device

- One-size-fits-all design
- Two-button navigation

Secure Credentials

- FIDO2
- FIDO (U2F)
- Nymi PKI
- HID Seos for physical access
- Legic Advant

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

Environment

- IP66 & IP67 Ingress Protection
- 0° to 45° C

Material

- Hypoallergenic
- Stainless steel ECG electrodes
- ISO 10993-1 biocompatible
- Polycarbonate body
- TPU strap and buttons

Compliance

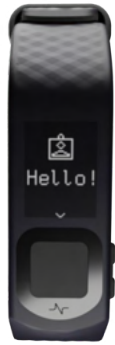
- FCC: USA
- IC: Canada
- CE: Europe
- MIC: Japan
- CMIIT: China
- IMDA: Singapore
- KC: Korea

Sanitization

Recommended sanitization process: spray the Nymi Band with an isopropyl alcohol based solution and wipe down with a microfibre cloth

*Based on 300 NFC taps over 10 hours

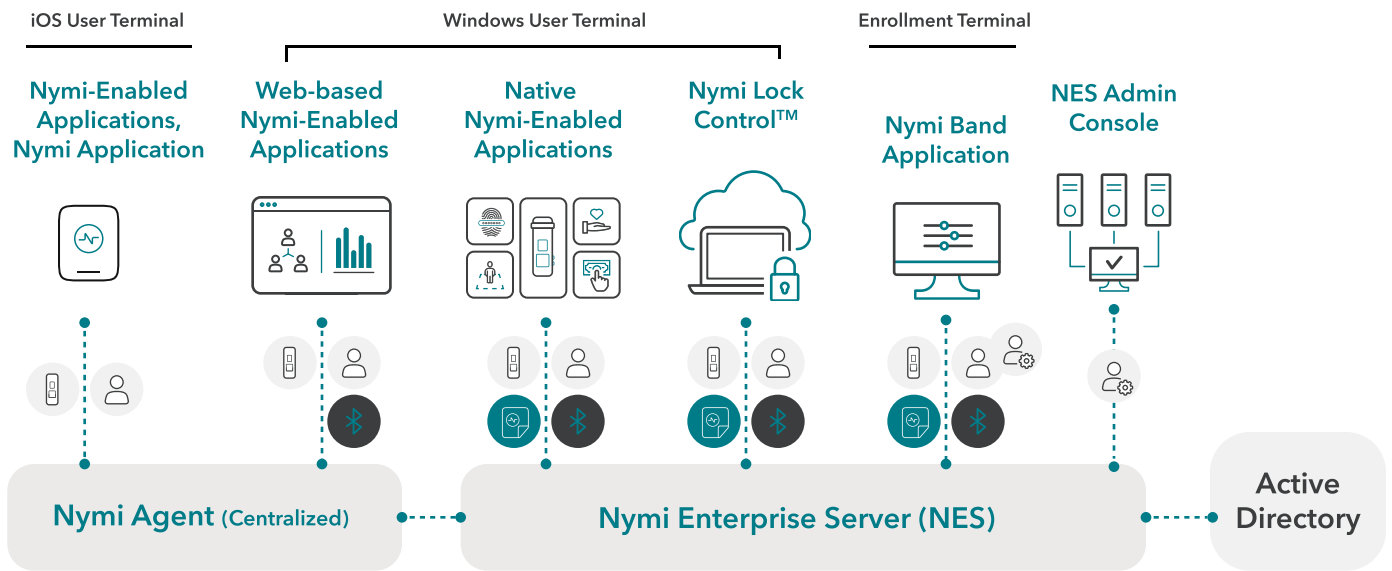
Dimensions



Depth: **11mm** Width: **19mm**
 Weight: **25g** Length: **50mm**

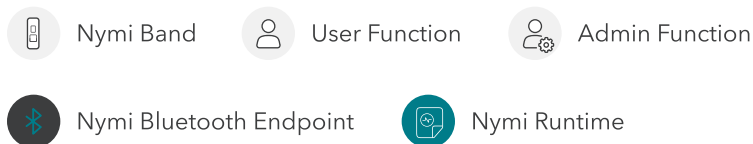


System Overview



NYMI INFRASTRUCTURE COMPONENTS

CUSTOMER



Infrastructure Minimum Requirements

Nymi Enterprise Server

Software Requirements

- Microsoft Windows Server 2012 R2, Windows Server 2016 or 2019
- Microsoft IIS
- Microsoft SQL Server 2016, 2017, or 2019
- Microsoft .NET Framework 4.8

Read access to Domain Controller and Active Directory

Hardware Requirements¹

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

Read access to Domain Controller and Active Directory

Hardware Requirements

- 4GB RAM
- 5GB free disk space
- 2 core CPU (recommended)
- 1 USB 2.0 port for the Bluetooth Adapter
- Bluegiga BLED112 Bluetooth Low Energy (BLE) Adapter
- Nymi recommended NFC Reader²
 - HID Omnikey 5022 CL

¹ The NES hardware requirements differ based on the nature of user operations, load, and other software that is deployed on the same server. The following section lists the recommendations for minimum hardware requirements.

² Should this reader not address your organization's use case in some way, please contact Nymi for additional options