



Vuzix Security Specifications

Vuzix Smart Glasses Security

Vuzix provides end point protection against unauthorized access to your enterprise systems. See below for the current list of cryptographic features, security and encryption methods, and system update schedules. This list is subject to change as we continue to evolve our hardware and software security features.

Overview

- M400 runs on Android 13 with Security Patches up to May 2025
- LX1 runs on Android 15 with Security Patches to be updated to Android 16 late 2026
- Android Cryptography Features
- File-based encryption
- Chipset Security Features:
 - Secure Boot, TrustZone, Qualcomm® Trusted Execution Environment
 - Secure file system service
 - Crypto engine v5

**VUZIX
M400™**



**VUZIX
LX1™**



Hardware Security

Chipset Security Features:

- Secure Boot - OS Verification on boot
- TrustZone - Software execution layer
- Qualcomm® Trusted Execution Environment - Code execution and verification on the fly
- Secure key provisioning
- Hardware supported KeyStore - Ensure better security encryption keys
- Secure fast trusted storage - Secure OS storage to prevent unallowed OS modifications
- Qualcomm® Crypto Engine Core v5, hardware-based security module supporting FIPS 140-2
- DRM support in hardware for confidential media content.

Software Level Security

Chipset Security Features:

- LX1 security and OS updates every 6 months
- Ability to deploy emergency Security and OS updates
- Android Cryptography Features - Software Level
 - Multiple encryption libraries: AES, CBC, GMC algorithms
- Ability to load a variety of software base libraries
- Wi-Fi Encryption for WEP, WPA/WPA 2 PSK, WAP3, 802.1 x EAP

Offline Voice Recognition.

No external internet services used

OTA Files security:

- Encapsulation and signature
- Qualcomm encryption certification

OTA Server deployments:

- Vuzix Operated Server: update.vuzix.com
- In-house or self-hosted options: Vuzix will provide all the server code for client to deploy and control

OTA Server address information

- PROTOCOL: TCP
- Security: SSL
- PORT 443
- Can be disabled

Vuzix AppStore Security

- appstore.vuzix.com
- PROTOCOL: TCP
- Security: SSL
- PORT 443
- Can be disabled

Available option: Vuzix configurable items on shipment

- Modify features (enable/disable, modify):
 - Connectivity (Wi-Fi, Bluetooth)
 - Vuzix Services (AppStore, OTA)
 - Basic Android settings
- Pre-Install Applications

