




Eliminate cyber-attacks and fraud

Personal military grade digital security

CyPod™ is a patented portable secure client environment for authentication and secure transactions



MAIN FEATURES

- 
Digital eWallet:
Store up to 64 cards and / or vouchers
- 
Hardware data encryption:
Secure storage and transmission of personal information
- 
NFC communication:
Access control, card reader and process control
- 
OTP and QR generator:
Communication to third party applications or devices
- 
Multiple biometric locks:
Secure verification and authentication
- 
Geo location / fencing:
Personnel and crowd management
- 
Encrypted digital signatures
Step by step process control management

CYPOD™

CyPod™ is a tamper proof patented encryption and authentication device that solves the issue of unsafe client environments providing a safe environment for storing confidential information.

CyPod™ offers multiple levels of authentication and a patented military grade encryption and customizable key management system. The dual operating system and flexible GUI allows for advanced use cases that would not be possible with a standard OTP generator.

Multiple advanced biometrics such as voice, palm, and facial recognition. E-Wallet functionality allowing up to 64 cards and unlimited documents such as payment cards, vouchers, identification cards, certificates and more. Implement process control compliance by digital signature. Personnel tracking and geo fencing option when used with the CyNet™ proprietary sub-GHz mesh network.

All of this combined makes CyPod™ the world's most secure multipurpose authentication device available today.



CyPod™ use cases and applications

- Dual operating system and customizable GUI
- 1-6+ authentication levels
- Customizable key management system
- Supports ALL encryption standards
- Tamper proof and advanced security features
- Multiple biometrics
- Multiple communication
- Meets all compliance standards
- Personnel tracking and geo fencing option



CYPOD™ DEVICE-BASED, PATENTED, AUTHENTICATION AND ENCRYPTION TECHNOLOGY.

Cypod™ controls both hardware and software environments, protecting confidential information securely. Since Cypod™ is tamper proof and a closed loop device, it is not possible to hack and is immune to viruses. Cypod™ has two operating systems, one which manages the UX (user experience and interface), and the other solely dedicated to data encryption and key management. This operating system encrypts personal information securely before it is exposed to any outside threats unlike PCs, smart devices or tokens.

Digital signature is a means to implement electronic signatures that are encrypted. By using the Cypod™ digital signature, step by step process control is faster, safer, more transparent and paper-free.

CYCARD™ TECHNICAL SPECIFICATIONS	
Dimensions / Weight	L 132.9mm x W 69.8mm H x 8.3mm / 120g
Physical strength	Aluminium frame and hardened glass
Display	4.3" LCD TFT, IPS, 480x800 pixels, 60 FPS touch
Operational Temperature / Storage Temperature	-20°C to 60°C 95%RH / -20°C to 70°C 95%RH
RAM / Battery	1 GB, 4 GB option / Li-Ion, Rechargeable, 3.7V, 1200mAh
Sensor Types / Accelerator/Gyro / Microphone / Camera	Fingerprint sensor (FAR: ≤0.0001%) / IMU (acc: ±16g, gyro ±2000°/sec) / 100 Hz - 10 KHz, 115 dB SPL / Infrared 803 - 960 nm, 400 x 400 pixels, field-of-view diagonal 52 deg, depth of field 70 - 1000 mm, build-it flash.
Radios/Network	Bluetooth 4.2 low energy, 3 Mbps / NFC Supports FeliCa and Mifare as both reader and writer / USB: High-speed USB slave / CyNet / IEEE 802.15.4 (2.4GHz) / CyNet / IEEE 802.15.4 (> 1GHz) / ±2m indoor / ±5m outdoor
CPU	Cortex-A7 core (800 MHz) and Cortex-M4 core (200 MHz), optional two Cortex-A7 cores (1200 MHz)
Encryption Standards	Supports one of AES, MD5, SHA1, SHA256, DES, 3DES, RSA, ECC
Safety and Certifications	CE, RoHS, IP30 compliant