



Flexxon designs, manufactures and markets Industrial NAND Flash Storage solutions and products, serving specifically the following verticals.

- **CYBERSECURITY**
- **INDUSTRIAL,**
- **MEDICAL &**
- **AUTOMOTIVE (CIMA)**



We innovate and provide

Leading-edge world-first X-PHY total security system

enhanced with Flexxon's core expertise in NAND storage technology at silicon level.



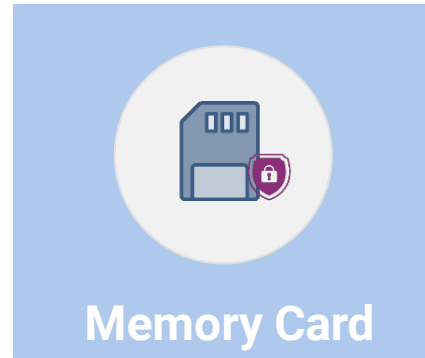
Our Security Product Portfolio



SSD



USB



Memory Card



Chipset



X-PHY Cyber Secure SSD



X-Mask USB



X-Mask Memory Card



AI Cybersecurity *



Military Grade SSD



Password-Protected



WORM SSD *



WORM USB



WORM Memory Card



Read-only SSD



Read-only Drive



Read-only Memory Card

* Under Development

accenture Fell for LockBit

- ✓ Governance and Compliance
- ✓ Risk Management Policy
- ✓ Response Management
- ✓ Cyber Hygiene
- ✓ Security Architecture



Hacker Demanded
\$50M RANSOM

Risk in Global Cyber Security Market

95% of the breaches are due to Human Error ^[1]

There is a new victim of ransomware every **11 seconds!** ^[2]

Cost of cybercrimes ^[3]

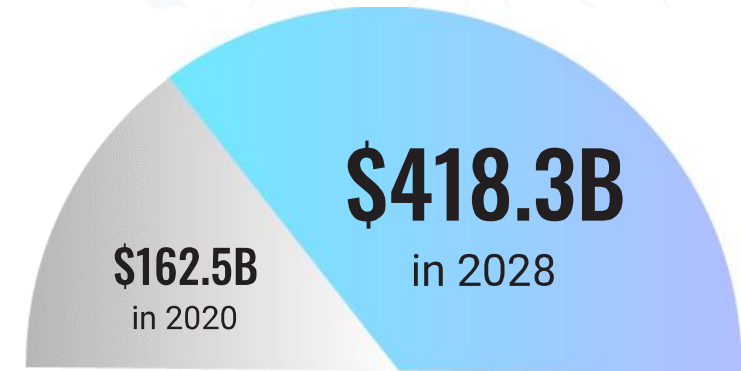
● 2015

\$3 trillion

● 2025

\$10.5 trillion

Global Cybersecurity Market ^[4]



Award-winning Cybersecurity Solution

X-PHY[®] SSD Innovation

- World's first SSD with **embedded AI** for **real-time protection** against cyber-attacks
- X-PHY can stop **unknown cyber threats** that antivirus can't detect
- Recipient of the Cybersecurity Call for Innovation 2019 by **CSA SINGAPORE**
- 4 Patents Filed, **3 Granted**



X-PHY® ∞ Lenovo Collaboration

World's First AI Cybersecurity Laptops

- Collaborative masterpiece of **award-winning X-PHY® SSD** and **Lenovo's world-class laptop solutions**
- **3 laptop series** cater to **different usage preferences**
- Exemplify **"Zero Trust"** security framework
- **24/7 Real-time protection** to the data stored within the drive

In collaboration with

Lenovo

ZEPTO SERIES

For those who demand the Best



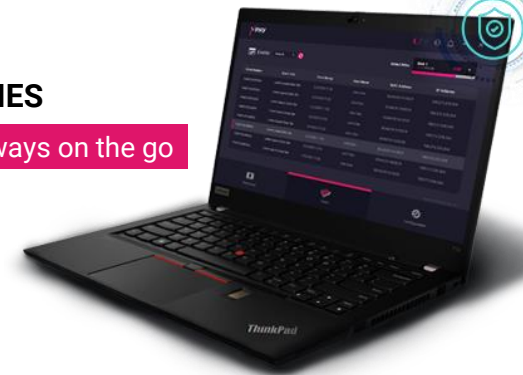
ACE SERIES

All in one for discerning professionals

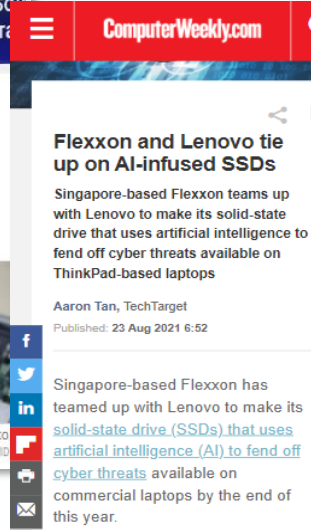
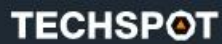


CYBERPAD SERIES

For those who always on the go



Featured on



Awards and Recognition



2018/2019

Call for Innovation
2018/2019 by Cyber
Security Agency (CSA) of
Singapore



2020

The Cybersecurity
Awards 2020



2021

Govware X Ice71
Startup Pitch Pit Awards



2021

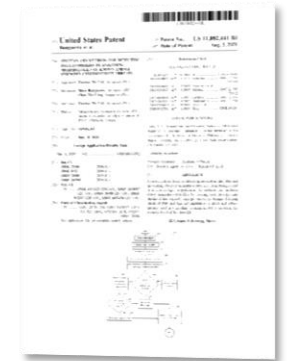
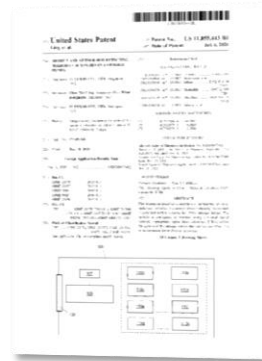
Black Unicorn Awards
2021



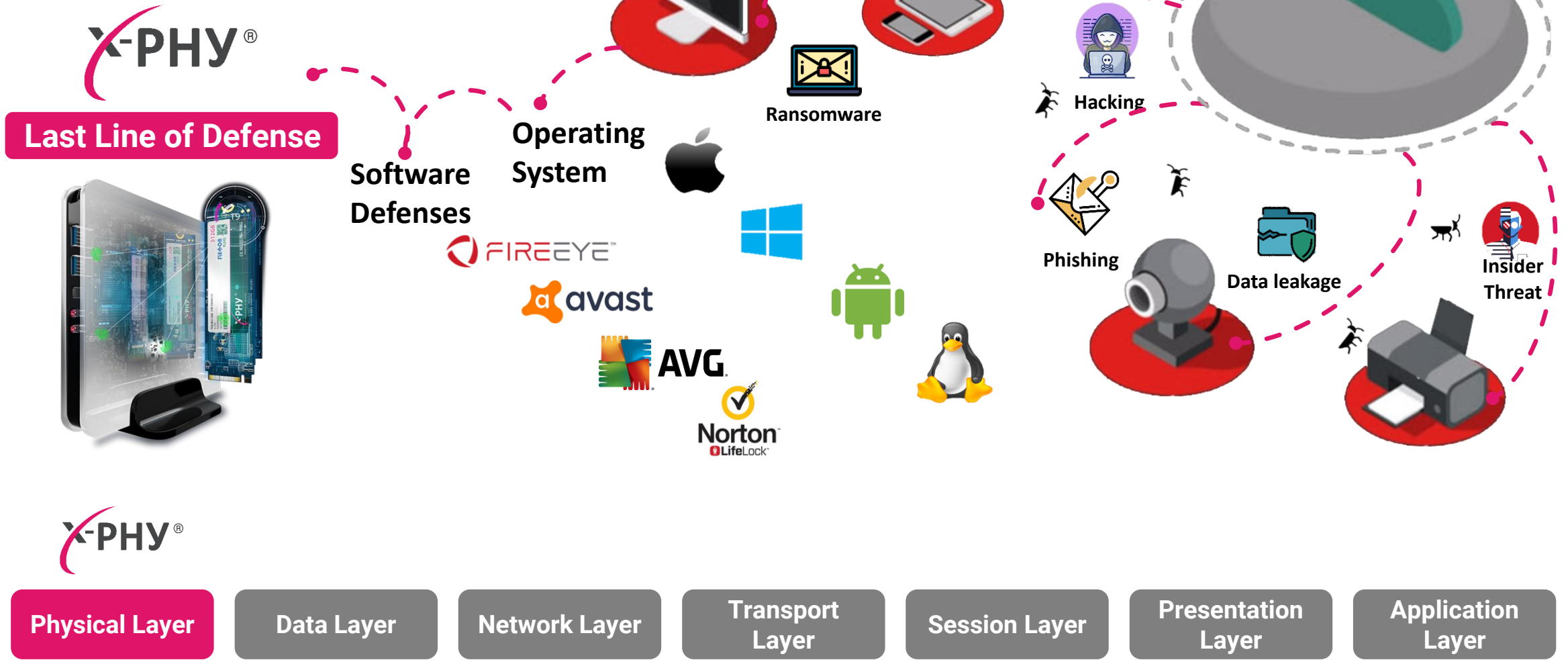
2021

Top 10 Women in
Cybersecurity Awards

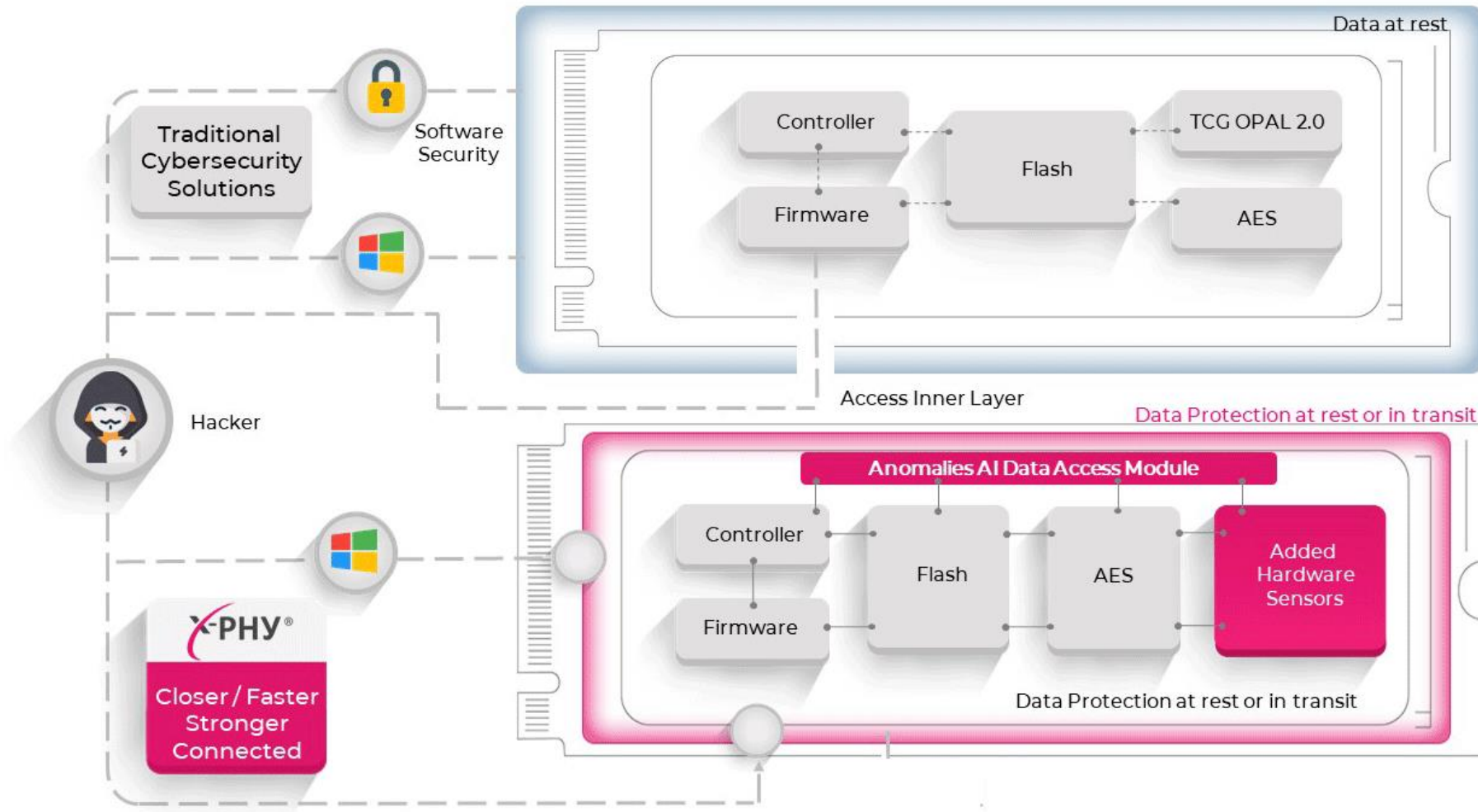
4 Patents Filed
3 Granted within
6 months



Where Are We?



Traditional Solution vs. X-PHY SSD



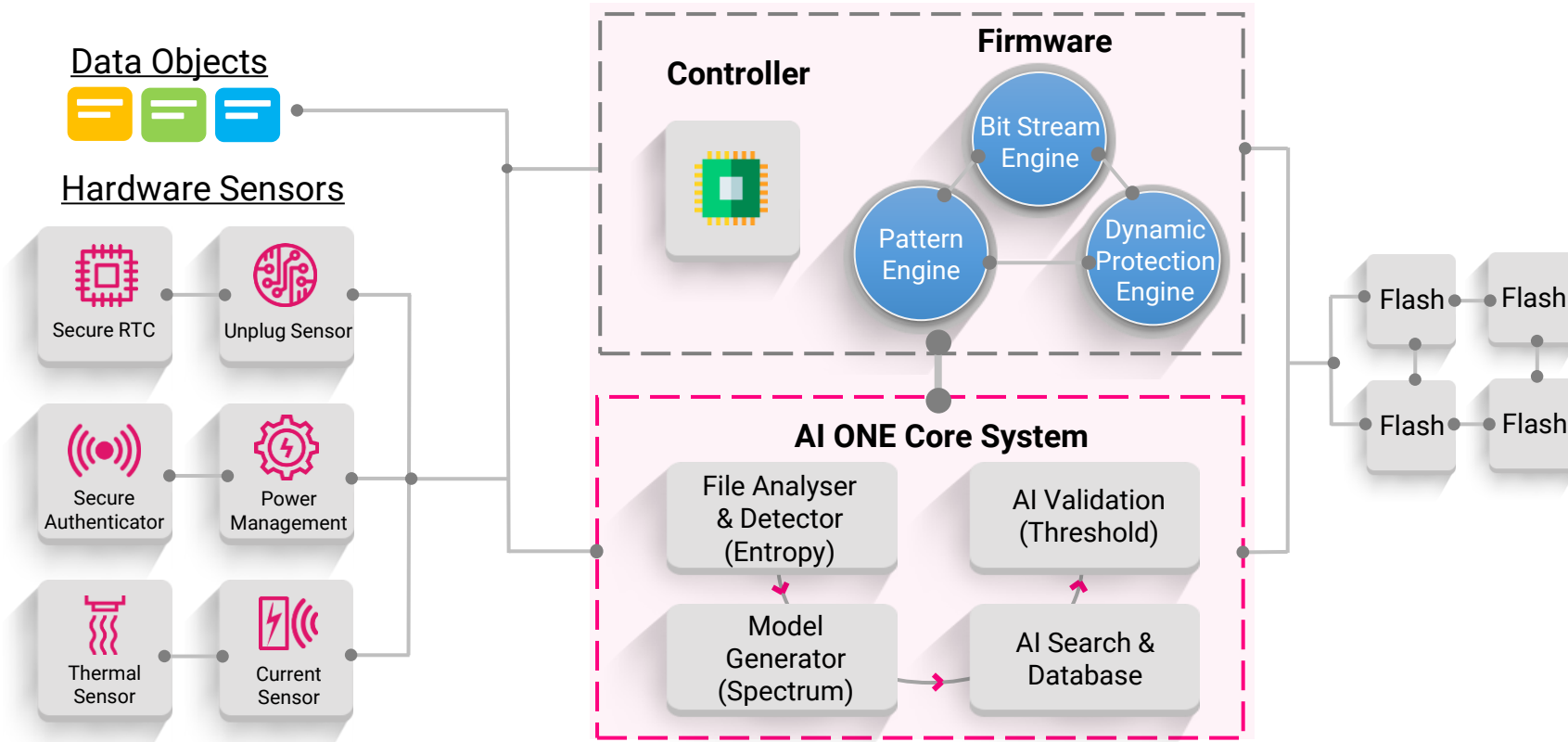
Software Based Protection vs X-PHY®

		X-PHY®	Software – Signature Based	Software – Behavioral Based
Detection approach	Method	Data Access Pattern (Read / Write)	Signature Library	Behavioral Patterns
	Perimeter	Internal Protocol	External Environment	
Human Intervention		None	High	Middle
Zero-day Protection Coverage		100%	Low (Known threats only)	Medium (Defined variable and threshold)
False Positive		Low	High	Medium
Physical Protection		Yes	No	No

Today's Challenges – Storage Data Level



inbound & outbound data stream



Bank Security Analogy with X-PHY SSD

Security on the Outside System Level

- Protects the exterior of the Bank
- Captures threats based on Updated Criminals Records Database



System Level



Criminals Records Database

Security on the Inside X-PHY SSD

- Safeguards based on access pattern regardless of the user
- Provides security closest to your most valuable property



Internal Storage



Security Vault

Solution Design - Features



XPHY GUARD™

Data protections from malware, ransomware, virus and etc..



GUARDIAN PRO-X



ANTI-VIRUS WARDEN



SECURITY SCOUT



XPHY STREAM PROTECTION™

Signal communication security Inter-module data communication encryption



SIGNAL DEFENDER



LAYER DEFENDER



XPHY FORENSIC™

Audit trails in data security



ACTIVE DETECTIVE



DEEP INVESTIGATION



XPHY SITE SECURE™

Protection against physical attacks



THERMALOCK



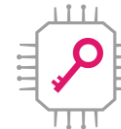
POWERLOCK



MOTIONLOCK



RAPID PURGE-X



XPHY ENCRYPTION LOCK™

Security key protection, firmware attack protection



KEYCODE PRO-X

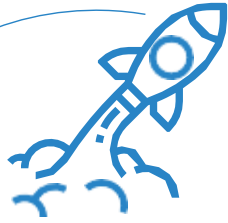


KEYCODE 2-FACTOR



KEYCODE ENCRYPTION

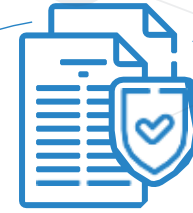
Last Line of Defense with X-PHY SSD



FASTEST
REACTION
TIME



CONSTANT
PROTECTION



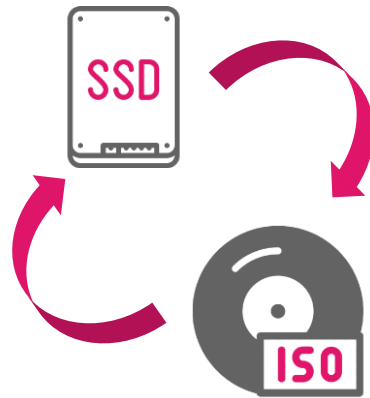
ADDITIONAL
LAYER OF
PROTECTION

X-PHY implements the closest proximity security to user data and acts as your **last line of defense** when every other layer of security measure fails or gets compromised.

Unknown Threats Detection



**Unknown
Ransomware**



**Data
Cloning**

Physical Protection



**Motion Lock
Rapid Purge**

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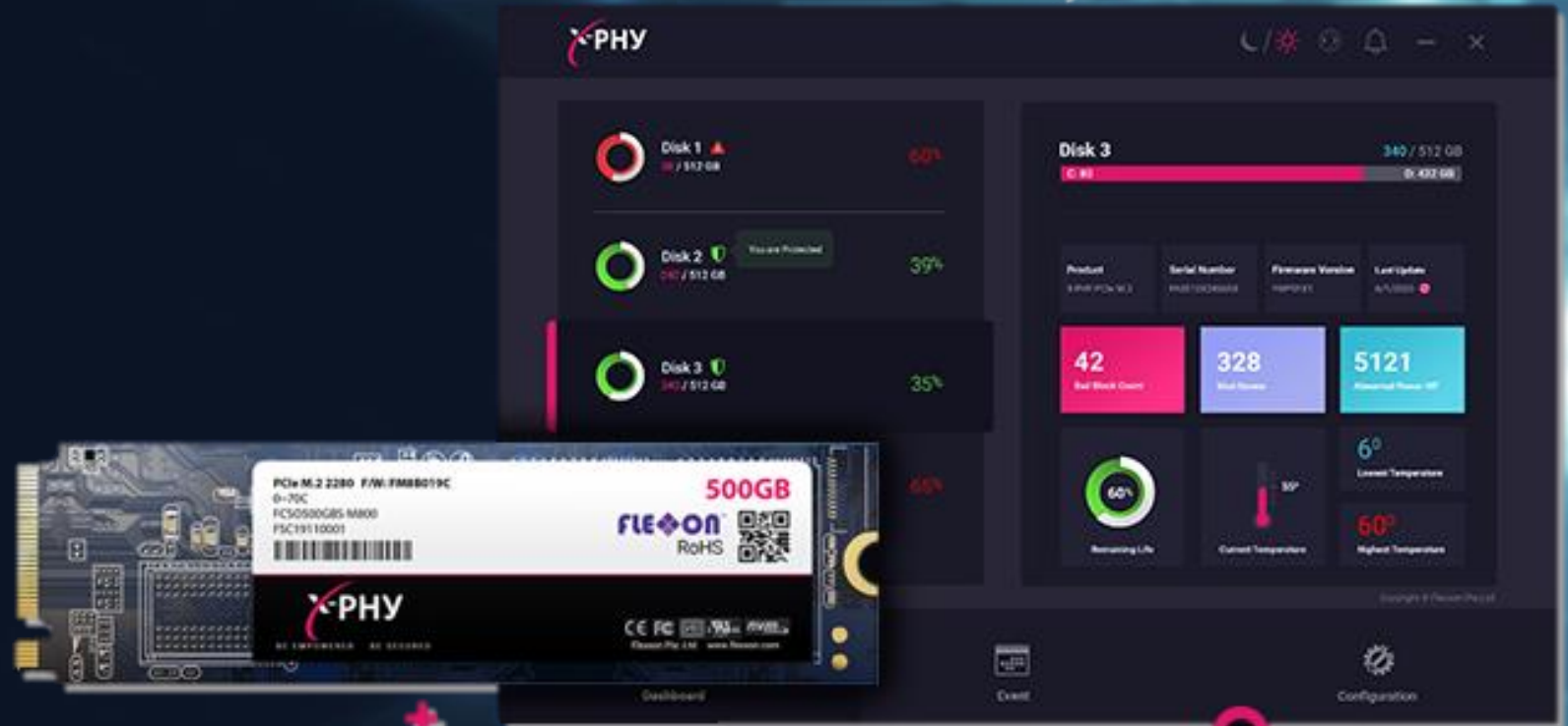
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X-PHY Last Line of Defense
www.x-phy.com