



DataShielder® PC NFC HSM

Technologies Freemindtronic®

Intel® Core Ultra
16" FHD+ Display
Weight 1.26 kg
AES 256 encryption
Key Sharing in RSA 4096
Patented Technologies



Thickness **18.5 mm**



LIGHTWEIGHT BUT STRONG CLASSIFIED DUAL-PURPOSE CIVILIAN & MILITARY MIT STD 810H & NFC HSM

Enter a new era of **proactive cybersecurity** with the DataShielder PC NFC HSM. This computer weighs only 1.26 Kg and is 18.5 cm thick and combines a patented offline ecosystem of segmented key encryption. Benefit from multi-factor contactless access control authentication, offline hardware password management, encryption keys, anti-phishing & spoofing, and quantum attack resistant. Know that you are using a technology that is the 2021 world champion of inventions.

DATASHIELDER PC NFC HSM

The security of your data, wherever you are!

Combining elegance, safety and military-grade security, this computer features an NFC HSM module. Located under the numeric keypad and physically unconnected to the motherboard, you'll be able to encrypt your data, email, and communications, and manage your passwords and AES 256 encryption keys. Use it contactless via your NFC Android smartphone. Compact and powerful, it adapts to any situation, providing continuous cyber protection of all your sensitive information via AES-256 CBC encryption resistant to quantum attacks.



SOVEREIGN POWER: ELEGANCE AT THE SERVICE OF ABSOLUTE SECURITY

The built-in DataShielder NFC HSM revolutionizes corporate and sovereign security with full offline control of your secrets. Digital identities, data, communications, and encrypted storage media are physically protected, even against artificial intelligence attacks. This jewel of patented technologies transforms every workspace into a fortress, unlockable without touching your phone, while integrating perfectly into your daily life. A must for those who seek excellence in complete discretion.

MIL-STD 810H Certified: Proven Strength

The DataShielder PC NFC HSM has passed the rigorous MIL-STD 810H standard testing, ensuring reliability and durability in the most extreme environments:

- **Extreme temperatures:** Operates from -51°C to +71°C.
- **High humidity:** Withstands up to 95%.
- **Vibration and Physical Shock:** Resistance to impact, drops, and prolonged vibration.
- **Dust & Submersion:** Dustproof, water resistant.
- **UV Rays and Corrosion:** Protected from sun exposure and saline environments.
- **Altitude and low pressure:** Optimal operation at high altitudes.
- **Freeze & Thaw:** Withstands extreme cycles without malfunction.
- **Free Fall:** Resists impact on hard surfaces.

Rugged design for mission-critical, civil or military missions.

Specifications and prices are correct at the date of publication, but are subject to availability or change without notice.

The photographs are offered for information purposes only. Items may differ from those shown in the photographs. BLEU JOUR cannot be held responsible for any typographical or photographic errors.

DATASHIELDER PC NFC HSM TECHNICAL SPECIFICATIONS

MICROPROCESSOR

- Intel® Core™ Ultra 7-155U (1.7GHz, up to 4.8GHz, DDR5-5600MHz, 15W TDP)
- Intel® Core™ Ultra 5-125U (1.3GHz, up to 4.3GHz, DDR5-5600MHz, 15W TDP)

GRAPHIC

- Intel® Graphics with Microsoft DirectX® 12, Intel® DLBoost (DP4A)

MEMORY

- 8GB DDR5 (soldered) + 1 SODIMM slot expandable up to 40GB

STORAGE

- Up to two M.2 2280 PCIe Gen4x4 SSDs

INPUT/OUTPUT PORT

- 1 x USB 3.2 Gen 1 Type-A
- 1 x USB 3.2 Gen 2 Type-A
- 1 x USB 3.2 Gen 2 Type-C with Power Delivery DC-in
- 1 x Thunderbolt™ 4 Type-C combo with Power Delivery DC-in
- 1 x HDMI™ with HDCP
- 1 x 2-in-1 Audio Port (Microphone/Headphone)

COMMUNICATION

- Wi-Fi 6E (Intel® AX210) / Bluetooth 5.2
- (Option) LTE M.2 3042 module

FEEDING

- 65W Type-C Charger (100~240V)
- Smart Lithium-Ion polymer battery: up to 18 hours of battery life (73WH)

MATERIALS

- Metal (A/C/D)

OPERATING SYSTEM

- Windows® 11 compatible (64-bit)

INTEGRATED HSM NFC MODULE

- Built-in NFC module under the touchpad, originally mounted, for use with the following versions:
 - DataShielder NFC HSM Lite
 - DataShielder NFC HSM Auth
 - DataShielder NFC HSM M-Auth
 - DataShielder NFC HSM Master
 - DataShielder NFC HSM Defense
- Compatible for AES-256 key management and ultra-secure authentications.

OPTION

- HID keyboard emulator for use with NFC HSMs (example: BitLocker or other software).

CERTIFICATION

- MIL-STD 810H compliant for optimal performance in extreme environments (shock, vibration, temperature, humidity, etc.).

GUARANTEE

- Two years

LOGISTICS AND ORDERING INFORMATION

- **SKU:**
 - DS-PC-256
 - DS-PC-512
 - DS-PC-1T
- **Configuration:**
 - 16 GB – 256 GB SSD
 - 16 GB – 512 GB SSD
 - 16 GB – 1 TB SSD
- **Colour:** GRAPHITE
- **Dimensions:** 358(L) x 253(W) x 18.5~19.6(H) mm
- **Weight:** 1.26 kg
- **EAN:** To be defined
- **HS Code:** 84713000

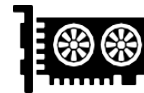
GRAPHITE



Intel®
Core™ Ultra



LPDDR5
4800MHz



Intel®
Graphics



M.2 2280



Multi-
Screens



SD card
reader

OUR PHILOSOPHY: INNOVATION, SAFETY AND DUAL-USE

The DataShielder PC NFC HSM embodies the perfect combination of ruggedness and innovation. Equipped with its **MIL-STD 810H** certification and equipped with an **internationally patented NFC HSM module**, it guarantees **total and independent security**, essential in a hyperconnected world. Designed to meet both civilian and military challenges, it combines cutting-edge technology and elegant design, offering a unique solution to meet the digital demands of today and tomorrow.

