



## YubiKey Comparison Chart

	YubiKey Bio (FIDO Edition)	YubiKey C Bio (FIDO Edition)	YubiKey 5 NFC	YubiKey 5C NFC	YubiKey 5 Nano	YubiKey 5C	YubiKey 5C Nano	YubiKey 5Ci	Security Key NFC	Security Key C NFC
Size (HxWxT in mm)	18x45x3.35	18x45x3.75	18x45x3.3	18x45x3.7	12x13x3.1	12.2x29.5x5	12x10.1x7	12x40.3x5	18x45x3.3	18x45x3.7
Weight	4.5g	5g	3g	4g	1g	2g	1g	2.9g	3.6g	4g
<b>Functions</b>										
Secure static passwords	●	●	●	●	●	●	●	●	●	●
Yubico OTP	●	●	●	●	●	●	●	●	●	●
OATH – HOTP (Event)	●	●	●	●	●	●	●	●	●	●
OATH – TOTP (Time) <sup>1</sup>	●	●	●	●	●	●	●	●	●	●
Smart card (PIV-Compatible)	●	●	●	●	●	●	●	●	●	●
OpenPGP	●	●	●	●	●	●	●	●	●	●
FIDO U2F (Universal Second Factor)	●	●	●	●	●	●	●	●	●	●
FIDO2	●	●	●	●	●	●	●	●	●	●
Secure element	●	●	●	●	●	●	●	●	●	●
Biometric Touch + LED	●	●	●	●	●	●	●	●	●	●
Plain (Capacitive) Touch	●	●	●	●	●	●	●	●	●	●
<b>Certifications</b>										
FIDO U2F Certification™	●	●	●	●	●	●	●	●	●	●
FIDO2 Certification™	●	●	●	●	●	●	●	●	●	●
FIDO (L2) Authenticator Certification Level 2	●	●	●	●	●	●	●	●	●	●
FIPS 140-2 Certification / CSPN	●	●	●	●	●	●	●	●	●	●
IP68	●	●	●	●	●	●	●	●	●	●
<b>Communications Support</b>										
USB-A 	●	●	●	●	●	●	●	●	●	●
USB-C 	●	●	●	●	●	●	●	●	●	●
NFC (Near Field Communication) <sup>4</sup>	●	●	●	●	●	●	●	●	●	●
Lightning 	●	●	●	●	●	●	●	●	●	●
<b>Device Type</b>										
HID keyboard	●	●	●	●	●	●	●	●	●	●
CCID smart card	●	●	●	●	●	●	●	●	●	●
FIDO HID	●	●	●	●	●	●	●	●	●	●
<b>Cryptographic Specifications</b>										
RSA 2048, RSA 4096 (PGP)	●	●	●	●	●	●	●	●	●	●
ECC p256 <sup>2</sup> , ECC p384 <sup>3</sup>	●	●	●	●	●	●	●	●	●	●
ECDSA on P-256 / secp256k1	●	●	●	●	●	●	●	●	●	●

<sup>1</sup> OATH-TOTP requires additional app (Yubico Authenticator available for Windows, MacOS, Linux, iOS & Android)

<sup>2</sup> ECC applies to the smart card applet only; does not apply to the OpenPGP applet. ECC P256 is the key type generated for the U2F keypair.

<sup>3</sup> ECC applies to the smart card applet only; does not apply to the OpenPGP applet.

<sup>4</sup> The YubiKey 5 includes the RFID standard specific to the ISO/IEC 14443-A and ISO/IEC 14443-4 NFC format; RFID implementations not included in the listed ISO standards are not supported.



## YubiKey Comparison Chart CSPN, FIPS

	YubiKey 5 NFC CSPN	YubiKey 5C NFC CSPN	YubiKey 5 Nano CSPN	YubiKey 5C CSPN	YubiKey 5C Nano CSPN	YubiKey 5Ci CSPN	YubiKey 5 NFC FIPS	YubiKey 5c NFC FIPS	YubiKey 5 Nano FIPS	YubiKey 5C FIPS	YubiKey 5C Nano FIPS	YubiKey 5Ci FIPS
Size (HxWxT in mm)	18x45x3.3	18x45x3.7	12x13x3.1	12.5x29.5x5	12x10.1x7	12x40.3x5	18x45x3.3	18x45x3.7	12x13x3.1	12.5x29.5x5	12x10.1x7	12x40.3x5
Weight	3g	4g	1g	2g	1g	2.9g	3g	4g	1g	2g	1g	2.9g
<b>Functions</b>												
Secure static passwords	●	●	●	●	●	●	●	●	●	●	●	●
Yubico OTP	●	●	●	●	●	●	●	●	●	●	●	●
OATH – HOTP (Event)	●	●	●	●	●	●	●	●	●	●	●	●
OATH – TOTP (Time) <sup>1</sup>	●	●	●	●	●	●	●	●	●	●	●	●
Smart card (PIV-Compatible)	●	●	●	●	●	●	●	●	●	●	●	●
OpenPGP	●	●	●	●	●	●	●	●	●	●	●	●
FIDO U2F (Universal Second Factor)	●	●	●	●	●	●	●	●	●	●	●	●
FIDO2	●	●	●	●	●	●	●	●	●	●	●	●
Plain (Capacitive) Touch	●	●	●	●	●	●	●	●	●	●	●	●
<b>Certifications</b>												
FIDO U2F Certification™	●	●	●	●	●	●	●	●	●	●	●	●
FIDO2 Certification™	●	●	●	●	●	●	●	●	●	●	●	●
FIDO (L2) Authenticator Certification Level 2	●	●	●	●	●	●	●	●	●	●	●	●
FIPS 140-2 validated (Overall Level 1 and Level 2, Physical Security Level 3)	●	●	●	●	●	●	●	●	●	●	●	●
CSPN Certification (approved by BSI)	●	●	●	●	●	●	●	●	●	●	●	●
IP68	●	●	●	●	●	●	●	●	●	●	●	●
<b>Communications Support</b>												
USB-A 	●	●	●	●	●	●	●	●	●	●	●	●
USB-C 	●	●	●	●	●	●	●	●	●	●	●	●
NFC (Near Field Communication) <sup>4</sup>	●	●	●	●	●	●	●	●	●	●	●	●
Lightning 	●	●	●	●	●	●	●	●	●	●	●	●
<b>Device Type</b>												
HID keyboard	●	●	●	●	●	●	●	●	●	●	●	●
CCID smart card	●	●	●	●	●	●	●	●	●	●	●	●
FIDO HID	●	●	●	●	●	●	●	●	●	●	●	●
<b>Cryptographic Specifications</b>												
RSA 2048, RSA 4096 (PGP)	●	●	●	●	●	●	●	●	●	●	●	●
RSA 2048	●	●	●	●	●	●	●	●	●	●	●	●
ECC p256 <sup>2</sup> , ECC p384 <sup>3</sup>	●	●	●	●	●	●	●	●	●	●	●	●
ECDSA on P-256 / secp256k1	●	●	●	●	●	●	●	●	●	●	●	●

<sup>1</sup> OATH-TOTP requires additional app (Yubico Authenticator available for Windows, MacOS, Linux, iOS & Android).

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