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YubiKey Comparison Chart

	FIDO Edition		Multi-protocol Edition							
	YubiKey Bio	YubiKey C Bio	YubiKey Bio	YubiKey C Bio	YubiKey 5 NFC	YubiKey 5C NFC	YubiKey 5 Nano	YubiKey 5C	YubiKey 5C Nano	YubiKey 5Ci
Size (HxWxT in mm)	18x45x3.35	18x45x3.75	18x45x3.35	18x45x3.75	18x45x3.3	18x45x3.7	12x13x3.1	12.2x29.5x5	12x10.1x7	12x40.3x5
Weight	4.5g	5g	4.5g	5g	3g	4g	1g	2g	1g	2.9g
Functions										
Secure static passwords	○	○	○	○	●	●	●	●	●	●
Yubico OTP	○	○	○	○	●	●	●	●	●	●
OATH – HOTP (Event)	○	○	○	○	●	●	●	●	●	●
OATH – TOTP (Time)[1]	○	○	○	○	●	●	●	●	●	●
Smart card (PIV-Compatible)	○	○	●	●	●	●	●	●	●	●
OpenPGP	○	○	○	○	●	●	●	●	●	●
FIDO U2F (Universal Second Factor)	●	●	●	●	●	●	●	●	●	●
FIDO2	●	●	●	●	●	●	●	●	●	●
Secure element	●	●	●	●	●	●	●	●	●	●
Biometric Touch + LED	●	●	●	●	○	○	○	○	○	○
Serial number with asset tracking	●	●	●	●	●	●	●	●	●	●
Plain (Capacitive) Touch	○	○	○	○	●	●	●	●	●	●
Certifications										
FIDO U2F Certification™	●	●	●	●	●	●	●	●	●	●
FIDO2 Certification™	●	●	●	●	●	●	●	●	●	●
FIDO Level 2 (L2) Certification	●	●	●	●	●	●	●	●	●	●
FIPS 140-2 Certification	○	○	○	○	○	○	○	○	○	○
IP68	●	●	●	●	●	●	●	●	●	●
Communications Support										
USB-A	●	○	●	○	●	○	●	○	○	○
USB-C	○	●	○	●	○	●	○	●	●	●
NFC (Near Field Communication)[2]	○	○	○	○	●	●	○	○	○	○
Lightning	○	○	○	○	○	○	○	○	○	●
Device Type										
HID keyboard	○	○	○	○	●	●	●	●	●	●
CCID smart card	○	○	●	●	●	●	●	●	●	●
FIDO HID	●	●	●	●	●	●	●	●	●	●
Cryptographic Specifications										
RSA 2048, 3072, 4096	○	○	●	●	●	●	●	●	●	●
ECC p256, p384	●	●	●	●	●	●	●	●	●	●
ECDSA on P-256 / secp256k1	●	●	●	●	●	●	●	●	●	●
Ed25519/X25519	●	●	●	●	●	●	●	●	●	●

[1] OATH-TOTP requires additional app (Yubico Authenticator available for Windows, MacOS, Linux, iOS & Android)
[2] 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.
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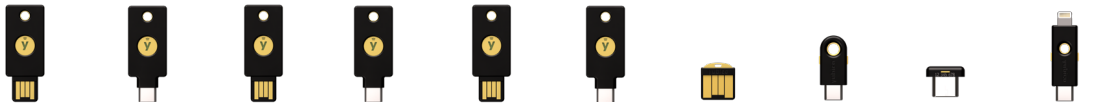
YubiKey Comparison Chart (continued)



	Security Key NFC	Security Key C NFC	Enterprise Edition: Security Key NFC	Enterprise Edition: Security Key C NFC	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	18x45x3.3	18x45x3.7	18x45x3.3	18x45x3.7	12x13x3.1	12.5x29.5x5	12x10.1x7	12x40.3x5
Weight	3.6g	4g	3.6g	4g	3g	4g	1g	2g	1g	2.9g
Functions										
Secure static passwords	○	○	○	○	●	●	●	●	●	●
Yubico OTP	○	○	○	○	●	●	●	●	●	●
OATH – HOTP (Event)	○	○	○	○	●	●	●	●	●	●
OATH – TOTP (Time)[1]	○	○	○	○	●	●	●	●	●	●
Smart card (PIV-Compatible)	○	○	○	○	●	●	●	●	●	●
OpenPGP	○	○	○	○	●	●	●	●	●	●
FIDO U2F (Universal Second Factor)	●	●	●	●	●	●	●	●	●	●
FIDO2	●	●	●	●	●	●	●	●	●	●
Secure element	●	●	●	●	○	○	○	○	○	○
Serial number with asset tracking	○	○	●	●	●	●	●	●	●	●
Plain (Capacitive) Touch	●	●	●	●	●	●	●	●	●	●
Certifications										
FIDO U2F Certification™	●	●	●	●	●	●	●	●	●	●
FIDO2 Certification™	●	●	●	●	●	●	●	●	●	●
FIDO Level 2 (L2) Certification	●	●	●	●	●	●	●	●	●	●
FIPS 140-2 validated (Overall Level 1 and Level 2, Physical Security Level 3)	○	○	○	○	●	●	●	●	●	●
IP68	●	●	●	●	●	●	●	●	●	●
Communications Support										
USB-A	●	○	●	○	●	○	●	○	○	○
USB-C	○	●	○	●	○	●	○	●	●	●
NFC (Near Field Communication)[2]	●	●	●	●	●	●	○	○	○	○
Lightning	○	○	○	○	○	○	○	○	○	●
Device Type										
HID keyboard	○	○	○	○	●	●	●	●	●	●
CCID smart card	○	○	○	○	●	●	●	●	●	●
FIDO HID	●	●	●	●	●	●	●	●	●	●
Cryptographic Specifications										
RSA 2048, 3072, 4096	○	○	○	○	●	●	●	●	●	●
ECC p256, p384	●	●	●	●	○	○	○	○	○	○
ECDSA on P-256 / secp256k1	●	●	●	●	●	●	●	●	●	●
Ed25519/X25519	●	●	●	●	●	●	●	●	●	●

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[2] 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.
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