

PRODUCT ENCRYPTION DETAILS



Encryption features of Ubiquiti firmware and software are an integral part of Ubiquiti products, and cannot be changed by the end-user. Ubiquiti products, firmware and software are intended for installation by end-users without significant support from the vendor.

Supported Security Protocol	Encryption Algorithm	Maximum Key Length	UniFi							EdgeMAX		airMAX				LTU	airFiber	UFiber (wireless models)	AmpliFi
			Wireless	Switches	UDMs	UCKs	USGs	Access	Video/Protect Camera	Talk	EdgeRouters	EdgeSwitches	airMAX M	airMAX AC	GBE / GBE-LR				
WEP	WEP-40	40 bit	X		X														
	WEP-104	104 bit																	
WPA/WPA2-TKIP	TKIP	128 bit	X		X				X	X								X	X
WPA-AES	AES	128 bit	X		X				X	X								X	X
WPA2-AES	AES	128 bit	X		X				X	X			X	X	X	X	X	X	X
airFiber protection protocol	AES	128 bit															X		
	RC4	128 bit																	
HTTPS	DES	64 bit																	
	3DES	168 bit																	
	AES	256 bit	X		X	X	X	X	X	X		X	X	X	X	X	X	X	X
	ChaCha20-Poly1305	256 bit	X		X	X	X	X	X	X		X	X	X	X	X	X	X	X
	RSA	2048 bit	X		X	X	X	X	X	X		X	X	X	X	X	X	X	X
Open VPN	AES	128 bit																	
	CBC/CFB/CFB1/CFB8/OFB/GCM	192 bit																	
		256 bit																	
	Camellia	128 bit																	
	CBC/CFB/CFB1/CFB8/OFB	192 bit																	
		256 bit																	
	SEED	128 bit																	
	CBC/CFB/OFB	128 bit																	
	BF	128 bit																	
	CBC/CFB/OFB	128 bit																	
	CAST5	128 bit				X		X											
	CBC/CFB/OFB	128 bit									X								
	DES / DES-EDE3	64 bit																	
	CBC/CFB/CFB1/CFB8/OFB	64 bit																	
	DES-EDE	128 bit																	
CBC/CFB/OFB	128 bit																		
DES-EDE3	192 bit																		
CBC/CFB/CFB1/CFB8/OFB	192 bit																		
DESX-CBC	40 bit																		
	64 bit																		
RC2-CBC	128 bit																		
RC2	128 bit																		
CBC/CFB/OFB	128 bit																		
IPSec	3DES	192 bit																	
	AES/AES-GCM	128 bit																	
		256 bit																	
	Camellia	256 bit				X		X											
	CAST	128 bit																	
Blowfish	448 bit																		
PPTP & PPPoE (with MPPE)	RC4	128 bit			X		X												
OpenSSH	3DES-CBC	192 bit																	
	Blowfish-CBC	128 bit																	
	CAST-CBC	128 bit																	
		128 bit																	
	ARCFOUR	256 bit	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		128 bit																	
	AES	192 bit																	
CBC/CTR/GCM	256 bit																		
ChaCha20-Poly1305	256 bit																		
Protection Protocol UniFi-utl	AES/AES-GCM	128 bit					X												
Protection Protocol NFC Card	AES	128 bit						X											
M2M Protection Protocol	AES	128 bit						X											
MQTTs	RSA	1024 bit						X											
Bluetooth 4.0	E0	128 bit																	
	XSalsa20	128 bit												X		X	X		
	E0	128 bit																	
Bluetooth Low Energy	AES	128 bit						X											
	XSalsa20-Poly1305	256 bit	X																
	Curve25519	256 bit	X																
Bluetooth 5.2	E0	128 bit																	
	AES	128 bit																	

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