

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. Ubiquiti products have no restrictions in sales, meaning, these products can be supplied by all Ubiquiti distributors and resellers, such as those specified at <https://www.ui.com/distributors/>, as well as by their partners, both for organizations and private persons through cash sale, sale by mail order, sale via electronic transactions, telephone sales orders, etc.

Supported Security Protocol	Encryption Algorithm	Maximum Key Length	UniFi					EdgeMAX		airMAX		LTU	airFiber	UFiber	AmpliFi
			Wireless	Switches	UDMs	UCKs	USGs	Video/Protect	EdgeRouters	EdgeSwitches	airMAX M	airMAX AC	LTU	airFiber	UFiber (wireless models)
WEP	WEP-40	40 bit	X		X										
	WEP-104	104 bit								X					
WPA/WPA2-TKIP	TKIP	128 bit	X		X			X (wireless cameras)						X	X
WPA-AES	AES	128 bit	X		X					X				X	X
WPA2-AES	AES	128 bit	X		X					X	X	X	X	X	X
airFiber protection protocol	AES	128 bit											X		
HTTPS	RC4	128 bit													
	DES	64 bit													
	3DES	168 bit													
	AES	256 bit	X		X	X	X	X	X		X	X	X	X	X (client)
	ChaCha20-Poly1305	256 bit	X		X	X	X	X	X					X	X (client)
	RSA	2048 bit	X		X	X	X	X	X	X	X	X	X	X	X (client)
Open VPN	AES CBC/CFB/CFB1/CFB8/OFB/GCM	128 bit													
		192 bit													
		256 bit													
	Camellia CBC/CFB/CFB1/CFB8/OFB	128 bit													
		192 bit													
		256 bit													
	SEED CBC/CFB/OFB	128 bit													
	BF CBC/CFB/OFB	128 bit													
	CAST5 CBC/CFB/OFB	128 bit			X		X		X						
	DES / DES-EDE3 CBC/CFB/CFB1/CFB8/OFB	64 bit													
	DES-EDE CBC/CFB/OFB	128 bit													
	DES-EDE3 CBC/CFB/CFB1/CFB8/OFB	192 bit													
	DESX-CBC	192 bit													
	RC2-CBC	40 bit													
	64 bit														
RC2 CBC/CFB/OFB	128 bit														
IPSec	3DES	192 bit													
	AES/AES-GCM	128 bit													
		256 bit													
	Camellia	256 bit			X		X		X						
	CAST	128 bit													
Blowfish	448 bit														
PPTP & PPPoE (with MPPE)	RC4	128 bit			X		X		X		X				
OpenSSH	3DES-CBC	192 bit													
	Blowfish-CBC	128 bit													
	CAST-CBC	128 bit													
	ARCFOUR	128 bit	X	X	X	X	X	X	X	X	X	X	X	X	X
		256 bit													
	AES CBC/CTR/GCM	128 bit													
		192 bit													
	256 bit														
ChaCha20-Poly1305	256 bit														
Protection Protocol UniFi-util	AES/AES-GCM	128 bit				X									

[UniFi](#)

[UniFi Video / Protect](#)

[airMAX](#)

[airFiber](#)

[EdgeMAX](#)

[UFiber](#)

[AmpliFi](#)