

[Apple CryptoKit](#) / HPKEDiffieHellmanPrivateKey

Protocol

HPKEDiffieHellmanPrivateKey

A type that represents the private key in a Diffie-Hellman key exchange.

iOS 17.0+ | iPadOS 17.0+ | Mac Catalyst 17.0+ | macOS 14.0+ | tvOS 17.0+ | visionOS 1.0+ | watchOS 10.0+

```
@preconcurrency
protocol HPKEDiffieHellmanPrivateKey : DiffieHellmanKey
Agreement where Self.PublicKey : HPKEDiffieHellmanPublicKey
```

Relationships

Inherits From

DiffieHellmanKeyAgreement, Sendable, SendableMetatype

Inherited By

HPKEDiffieHellmanPrivateKeyGeneration

Conforming Types

Curve25519.KeyAgreement.PrivateKey
P256.KeyAgreement.PrivateKey
P384.KeyAgreement.PrivateKey
P521.KeyAgreement.PrivateKey
SecureEnclave.P256.KeyAgreement.PrivateKey