

[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

`DiffieHellmanKey`, `Sendable`, `SendableMetatype`

Inherited By

`HPKEDiffieHellmanPrivateKeyGeneration`

Conforming Types

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