Protocol

KEMPublicKey

The public key for a key encapsulation mechanism.

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

```
@preconcurrency
protocol KEMPublicKey : Sendable
```

Topics

Instance Methods

`func encapsulate() throws -> KEM.EncapsulationResult`

Generates and encapsulates a shared secret.

Required

Relationships

Inherits From

`Sendable`, `SendableMetatype`

Inherited By

`HPKEKEMPublicKey`

Conforming Types

`MLKEM1024.PublicKey`, `MLKEM768.PublicKey`, `XWingMLKEM768X25519.PublicKey`

See Also

KEM keys

`protocol` `KEMPrivateKey`

The private key for a key encapsulation mechanism.