

Kind of Key

PrivateKey (for decrypting cipher text)

PrivateKey Format

P8 P12

PublicKey (for encrypting plain text)

PublicKey Format

P10 X.509

P8	private key	PKCS#8 PrivateKeyInfo (PEM format) (encrypted)
P12	private key	PKCS#12 (binary format) (encrypted)
P10	public key	PKCS#10 SubjectPublicKeyInfo (PEM format)
X.509	public key	X.509 public key certificate (binary format)