

## NAME

EVP\_camellia\_128\_cbc, EVP\_camellia\_192\_cbc, EVP\_camellia\_256\_cbc, EVP\_camellia\_128\_cfb, EVP\_camellia\_192\_cfb, EVP\_camellia\_256\_cfb, EVP\_camellia\_128\_cfb1, EVP\_camellia\_192\_cfb1, EVP\_camellia\_256\_cfb1, EVP\_camellia\_128\_cfb8, EVP\_camellia\_192\_cfb8, EVP\_camellia\_256\_cfb8, EVP\_camellia\_128\_cfb128, EVP\_camellia\_192\_cfb128, EVP\_camellia\_256\_cfb128, EVP\_camellia\_128\_ctr, EVP\_camellia\_192\_ctr, EVP\_camellia\_256\_ctr, EVP\_camellia\_128\_ecb, EVP\_camellia\_192\_ecb, EVP\_camellia\_256\_ecb, EVP\_camellia\_128\_ofb, EVP\_camellia\_192\_ofb, EVP\_camellia\_256\_ofb - EVP Camellia cipher

## SYNOPSIS

```
#include <openssl/evp.h>
```

```
const EVP_CIPHER *EVP_ciphernamename(void)
```

*EVP\_ciphernamename* is used as a placeholder for any of the described cipher functions, such as *EVP\_camellia\_128\_cbc*.

## DESCRIPTION

The Camellia encryption algorithm for EVP.

**EVP\_camellia\_128\_cbc(), EVP\_camellia\_192\_cbc(), EVP\_camellia\_256\_cbc(),  
EVP\_camellia\_128\_cfb(), EVP\_camellia\_192\_cfb(), EVP\_camellia\_256\_cfb(),  
EVP\_camellia\_128\_cfb1(), EVP\_camellia\_192\_cfb1(), EVP\_camellia\_256\_cfb1(),  
EVP\_camellia\_128\_cfb8(), EVP\_camellia\_192\_cfb8(), EVP\_camellia\_256\_cfb8(),  
EVP\_camellia\_128\_cfb128(), EVP\_camellia\_192\_cfb128(), EVP\_camellia\_256\_cfb128(),  
EVP\_camellia\_128\_ctr(), EVP\_camellia\_192\_ctr(), EVP\_camellia\_256\_ctr(),  
EVP\_camellia\_128\_ecb(), EVP\_camellia\_192\_ecb(), EVP\_camellia\_256\_ecb(),  
EVP\_camellia\_128\_ofb(), EVP\_camellia\_192\_ofb(), EVP\_camellia\_256\_ofb()**

Camellia for 128, 192 and 256 bit keys in the following modes: CBC, CFB with 128-bit shift, CFB with 1-bit shift, CFB with 8-bit shift, CTR, ECB and OFB.

## NOTES

Developers should be aware of the negative performance implications of calling these functions multiple times and should consider using **EVP\_CIPHER\_fetch(3)** instead. See "Performance" in **crypto(7)** for further information.

## RETURN VALUES

These functions return an **EVP\_CIPHER** structure that contains the implementation of the symmetric cipher. See **EVP\_CIPHER\_meth\_new(3)** for details of the **EVP\_CIPHER** structure.

**SEE ALSO**

**evp(7), EVP\_EncryptInit(3), EVP\_CIPHER\_meth\_new(3)**

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