

ENCRYPTED COMMUNICATION METHOD AND APPARATUS, DEVICE, AND STORAGE MEDIUM

Abstract

The present application provides an encrypted communication method and apparatus, a device, and a medium. The method comprises: a first protocol layer of a first party obtains a MAC address of a second party according to a data transmission request from an application layer, the data transmission request comprising an NLP address of the second party; the first protocol layer generates a first temporary key pair, the first temporary key pair comprising a first temporary public key and a first temporary private key; the first protocol layer obtains a second temporary public key of the second party according to the first temporary public key; the first protocol layer generates a shared key according to the second temporary public key and the first temporary private key; the first protocol layer determines a data message, the data message carrying encrypted data obtained by encrypting the shared key, and the receiver of the data message being the second party. The present method can prevent the shared key from being illegally stolen, and improve the communication security of both communication parties.

FIG. 8A