

ABSTRACT

The present application relates to a data transmission method and apparatus, a system, a computer device and a storage medium. The method comprises: performing bidirectional authentication with a first interaction device (S202); after the bidirectional authentication is completed, receiving encrypted interaction data which is sent by the first interaction device and obtained by encrypting interaction data on the basis of a working key, the working key being obtained by performing mapping of an authentication key used by the first interaction device when performing bidirectional authentication (S204); according to the working key obtained by performing mapping of the authentication key on a communication adapter, decrypting the encrypted interaction data (S206); and by means of a simulated device node that can be identified by a second interaction device, on the basis of a communication protocol of the second interaction device which is naturally adapted to the device node, transmitting the decrypted interaction data to the second interaction device (S208).