

**MESSAGE FORWARDING METHOD AND APPARATUS BASED ON
REMOTE DIRECT MEMORY ACCESS, AND
NETWORK CARD AND DEVICE**

ABSTRACT

Embodiments of the present invention provide a message forwarding method and apparatus based on Remote Direct Memory Access, and a network card and a device. The method comprises: obtaining payload data corresponding to an RDMA message to be forwarded; using a hardware module in a network card node to perform packaging processing on a message header of the payload data to obtain a processed message; and forwarding the processed message by using the hardware module or a software module in the network card node. According to the technical solutions of the embodiments, message processing operation is performed in a software and hardware combination mode, the network performance and the message processing flexibility are effectively balanced, the bandwidth and processor resources can be reduced, and the time delay is significantly reduced.

Fig. 10