

OPTICAL TRANSMISSION DEVICE, SERVICE DEVICE, AND SERVICE TRANSMISSION METHOD AND SYSTEM

ABSTRACT

5 This application provides an optical transmission device, a service device, and a service
transmission method and system. The optical transmission device includes a first transceiver, an
optical transceiver module, and a processor. The first transceiver is configured to receive a service
packet from a switch. The optical transceiver module is configured to send the service packet to a
target optical transmission device. The processor is configured to obtain status information of an
optical transmission path for transmitting the service packet, and send the status information of the
10 optical transmission path to the service device. The service device is configured to generate the
service packet. According to the optical transmission device provided in this application, when a
transmission exception occurs on the optical transmission path, the transmission exception can be
quickly learned of, so that the system can take a corresponding measure to ensure normal
transmission of the service packet. This implements fast service switching, and improves system
15 performance.

FIG. 12