

WLAN SYSTEM AND WIRELESS COMMUNICATION METHOD AND APPARATUS

ABSTRACT

This application provides a WLAN system, used in the wireless communication field. The WLAN system includes an AC, a first AP, and a second AP. The AC is configured to: generate a first GTK, and send the first GTK to the first AP and the second AP. The first AP is associated with a first STA. The second AP is associated with a second STA. The first AP is configured to: encrypt data based on the first GTK, to obtain a first packet, and multicast or broadcast the first packet. The first AP is configured to send the first GTK to the first STA. The first GTK is used by the first STA to decrypt the first packet based on the first GTK. The second AP is configured to send the first GTK to the second STA. The first GTK is used by the second STA to decrypt the first packet based on the first GTK. In this application, a same GTK is used, and the first AP may multicast or broadcast the first packet for the first STA and the second STA, so that multicast or broadcast communication efficiency of the first AP is improved.

Fig. 2