

CABINET SERVER AND DATA CENTER BASED ON CABINET SERVER

ABSTRACT

A cabinet server and a data center based on the cabinet server are disclosed. The cabinet server includes at least two function nodes, multiple intra-cabinet antennas, and multiple inter-cabinet antennas. The function nodes are vertically arranged, to form a server core; and the intra-cabinet antennas are vertically arranged, disposed at a side of the server core, and electrically connected to corresponding function nodes, and adjacent intra-cabinet antennas are wirelessly connected. When a radio signal is transmitted within the cabinet server, a transmission path is formed of the vertically arranged intra-cabinet antennas. Because the intra-cabinet antennas are disposed at the side of the server core, electromagnetic radiation generated by the radio signal in a transmission process has a relatively small effect on the function nodes, thereby reducing the effect of the electromagnetic radiation on various electronic devices in the function nodes, improving service lives of the electronic devices, and improving transmission quality of the radio signal.

Figure 6