

D7676B

E-Paper Bluetooth Gateway



Description

The Bluetooth gateway is designed for efficient data communication and management of e-paper nameplate systems. It supports BLE 5.0 and enables seamless data transmission to Wi-Fi or Ethernet networks, allowing stable and reliable connectivity between devices and backend platforms. The gateway supports simultaneous bidirectional communication with multiple devices, as well as real-time collection of broadcast data. With support for local configuration, data filtering, and OTA firmware upgrades, it ensures flexible deployment and easy maintenance. Its compact design and stable performance make it ideal for conference, exhibition, and smart office applications.

Features

- Supports 12V power supply.
- Supports BLE to Wi-Fi conversion.
- Supports BLE to RJ45 conversion.
- Supports simultaneous collection of broadcast data from multiple nameplate devices.
- Supports simultaneous bidirectional communication with multiple nameplate devices.
- Supports local visualized configuration and management of Bluetooth gateway parameters.
- Supports bidirectional transparent data transmission.
- Supports local filtering function.
- Supports firmware upgrade.
- Supports factory reset.
- Supports LED indicator.

Specifications

Model	D7676B	
Platform	RK3566	
Network Communication	Wired Communication	Standard 10/100/1000 Mbps RJ45 Ethernet port, supports DHCP
	Wi-Fi	Supports 802.11 b/g/n, up to 300 Mbps, supports AP/STA mode
Wireless RF Communication (Bluetooth BLE 5.0)	Tansmit Power	-20 dBm ~ +23 dBm (default +23 dBm)
	Effective Range	15 m radius (open environment)
Memory & Storage	RAM	2 GB
	Storage	32 GB
Power Supply	Voltage	12 V
General Specifications	Operating Temperature	0°C ~ 40°C
	Storage Temperature	-10°C ~ -65°C
	Software Upgrade	Online OTA / Local update
Dimensions	204 mm × 39 mm	