SMART GATEWAY
(Wi-Fi + BLE)

CODE: HK-SMGW-BLE

A high-performance communication hub designed to support intelligent restroom systems. It enables seamless connection between various restroom sensors and the central monitoring platform. It ensures reliable data transmission and secure operation in high-traffic public or commercial restroom environments.

MATERIAL
ABS
Industrial-grade
IP68 Water & Dust Resistance

BLE TOPOLOGY NETWORKING
Supported by HX-based Bluetooth Smart Firmware and Protocol Stack, compliant with Bluetooth v5.0 LE Standard

DUAL-CORE MICROPROCESSOR
Supporting 2.4 GHz Wi-Fi
(IEEE 802.11b/g/n)
and Bluetooth® 5 (Low Energy)

PROTOCOL STACK
TCP/UDP/PPP/NTP/NITZ/FTP/HTTP/
PING/HTTPS/FTPS/FILE/SSL/MQTT

SECURITY MECHANISMS
Secure Boot, Flash Encryption, 4-Kbit OTP Memory, User-accessible up to 1792 bits, Cryptographic Hardware Accelerators:
- AES-128/256 (FIPS PUB 197 compliant)

OPERATING CONDITIONS
Temperature:
-35 °C to +75 °C

Humidity:
10 - 80% RH (Non-condensing)

DIMENSIONS
L127 × W87 × H45 mm, Weight: 200g

COMMUNICATION METHOD
Wireless Mesh Networking

POWER SUPPLY
TYPE C Interface
5 V / 3A (TYPE C Form Factor)

FREQUENCY BANDS
LTE-FDD B1/3/5/7/8/20/28

MAX DATA RATE
10Mbps (DL) / 5Mbps (UL)

www.yysmarttech.com
hello@yysmarttech.com

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