Oak Series
Indoor Climate Intelligence

Model: OakGate
Wireless Data Gateway
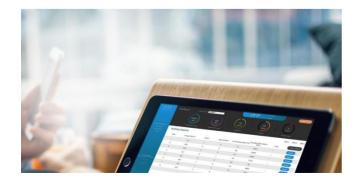

✔ **Plug & Play**
✔ **Lightweight Advanced CPU**
✔ **Varied Connectivity (ZIGBEE, WIFI, BT)**

OakGate is the gateway between the ZigBee wireless network and the internet, allowing the cloud server to communicate with all Oak Series climate nodes installed in the building.

As the Climate node network of sensors and controllers constantly transmits data from its controlled zones, crucial information such as weather forecast and utility tariffs is derived from the internet, to provide a full account of system-related variables .

One single OakGate supports 50+ controllers and 100+ sensors, with the capacity to cover multiple floors and large controlled zones.

	Oak Gate
Body Dimensions	4.72' x 4.72' x 0.79' 29mm x 88mm x 58mm
Total Weight	6.1 oz 172g
Wireless Range	Through walls: up to 100ft (30M) In open spaces: up to 0.3 Miles (500M)
Operating Temperature	Operating Temperature: 32ºF~113ºF 0ºC~45ºC Storage Temperature: -40ºF~158ºF -40ºC~70ºC
External Power Supply	5V/2A
CPU	4 core ARM Cortex, 1.2GHz
Memory	1GB RAM, 16GB flash
Interface	1x 10/100Mbps Ethernet port 4x USB 2.0 Port 1x HDMI Port
Antenna	1 detachable
Wireless Features	
WiFi	IEEE 802.11 b/g/n 2.4GHz
Bluetooh	4.1 BLE
Zigbee	IEEE 802.15.4, 2.4Ghz
RF Transmission Power	19 dBm
Certification	FCC. FCC ID: 2ABCB-RPI32

The Setpoint Climate Intelligence platform is controllable from any device, through the Online Dashboard, where individual room preferences and predictive maintenance can be managed.