

Band 20 物聯網開道器

此設備由亞旭電腦自行研發，型號為 APL2000W，外觀如下：



圖 1：物聯網開道器 APL2000W 外觀

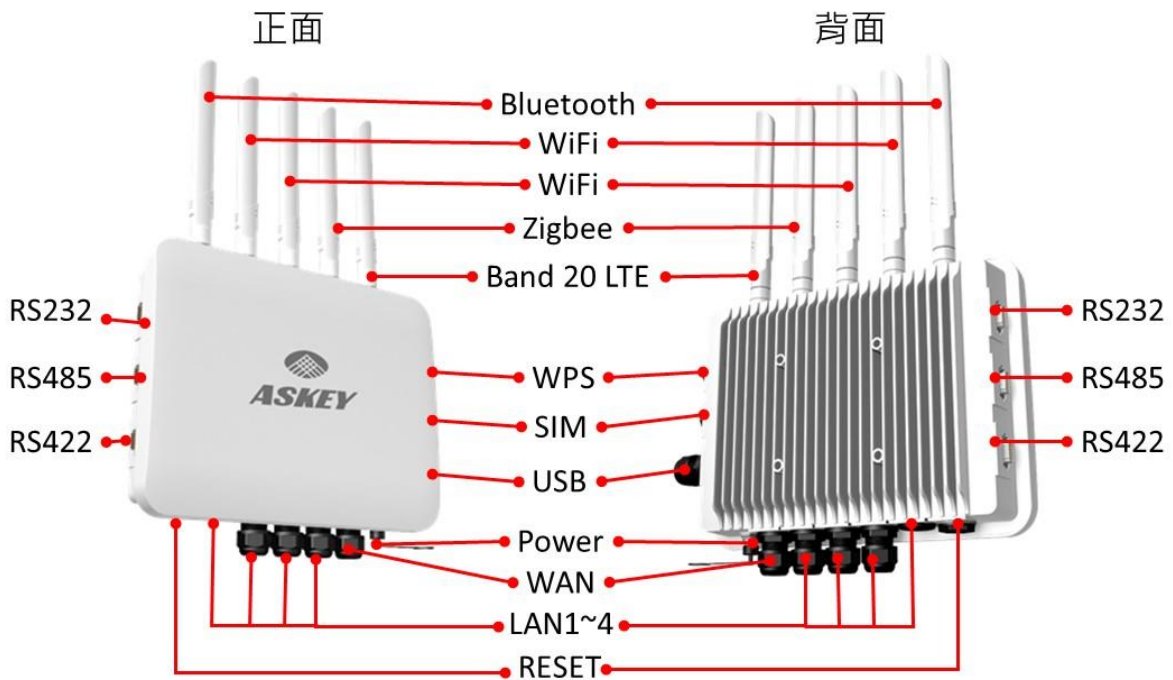


圖 2：物聯網開道器 APL2000W 外部介面

有關此設備之產品設計與功能特色，表列如下：

General	
Type	APL2000W
Power	AC 100V~240V
Operation Temperature	0°C ~ 45°C
Operation Humidity	Max 95% (Non-condensing)
Power Consumption	4.2W in Average
Protection	IP65
IoT Management	MQTT Client v3.1
Firmware Upgrade	FOTA
Interface	
Wireless	<ul style="list-style-type: none"> • Bluetooth, WiFi, ZigBee • LTE Band 20
Ethernet	5x 10/100Mbps RJ45 (1x WAN & 4x LAN)
Serial Port	3x DB9P (1x RS-422, 1x RS-485, 1x RS-232)
USB	1x USB 2.0 Type A
SIM	1x Nano SIM (for LTE Band 20)
LTE Band 20	
Standard	3GPP R11
Category	LTE Cat.M1
Band	B20 (DL: 816~821MHz, UL: 857~862MHz)
Duplex Mode	FDD

Max TX Power	25dBm (w/ Antenna)
Antenna	1x Omni External Antenna @ 1.5dBi
Security	IPSec
Bluetooth	
Standard / Band	Bluetooth LE 5.0, Bluetooth LE Mesh / 2.4GHz
Max TX Power	10dBm (w/ Antenna)
Antenna	1x Omni External Antenna
WiFi	
Standard / Band	IEEE 802.11a, b, g, n, ac / 2.4GHz, 5GHz
Max TX Power	16dBm (w/ Antenna)
Antenna	2x Omni External Antenna
Zigbee	
Standard / Band	Zigbee 3.0 / 2.4GHz
Max TX Power	20dBm (w/ Antenna)
Antenna	1x Omni External Antenna