




Product	EdgeLogix	EdgeBox-RPI	EdgeBox-ESP
			
<b>Basic</b>			
CPU Core	Raspberry Pi CM4	Raspberry Pi CM4	ESP32S3
	4★	4★	1★
Memory	2G/4GB/8GB	1G/2G/4GB	512KB +8MB RAM
Storage	32GB	8G/16G/32GB	16MB Flash
Screen	4.3 inches 480 x 800 pixels		
<b>Wireless</b>			
WiFi	2.4 GHz, 5.0 GHz IEEE 802.11 b/g/n/ac	2.4 GHz, 5.0 GHz IEEE 802.11 b/g/n/ac	built-in 2.4 GHz
Bluetooth	Bluetooth 5.0, BLE	Bluetooth 5.0, BLE	built-in Bluetooth 5.0, BLE
Cellular	Mini-PCIe support 4G LTE(Quectel EC20/EC25 tested)	Mini-PCIe support 4G LTE(Quectel EC20/EC25 tested)	pre-install 4G LTE module
LoRa	Mini-PCIe support LoRaWAN(Seeed WM1302 tested)	Mini-PCIe support LoRaWAN(Seeed WM1302 tested)	Supported, need to be customized
Cellular & LoRa both working	Supported	-	-
<b>Interface</b>			
Ethernet	1000M RJ45 *1 1000M RJ45 *1 1000M RJ45 *1	1000M RJ45 *1	100M RJ45*1
HDMI	HDMI 2.0 up to 4k@60fps	HDMI 2.0 up to 4k@60fps	
USB	USB2.0 A*2 USB2.0 Type C*1	USB2.0 A*2	USB2.0 A*1
RS Serial	RS485 *5 (Optoisolated) RS232 *2 (Optoisolated) RS232 *1	RS485 *1 (Optoisolated) RS232 *1	RS485 *1 (Optoisolated)
CAN BUS	CAN BUS with CAN-FD *2 (Optoisolated)		CAN BUS *1 (Optoisolated)
M.2 socket		2242 NVME SSD card	
DI	12 (Optoisolated)	2 (Optoisolated)	4 (Optoisolated)
DO	12 (Optoisolated)	2 (Optoisolated)	6 (Optoisolated)
Analog input			4 (Optoisolated)
Analog output			2(Optoisolated)
<b>Extra features</b>			
	RTC	RTC	RTC
	Stand alone watch dog timer	Stand alone watch dog timer	
	Atecc608a(optional)	Atecc608a(optional)	Atecc608a(optional)
		UPS Uninterrupted Power Supply	
Operation temperature	-20 to +60 °C	-20 to +60 °C	-20 to +60 °C
<b>Certification</b>			
	RoHS	RoHS	RoHS
	CE	CE	CE
	FCC	FCC	FCC
	TELEC	TELEC	
	UKCA	UKCA	UKCA