

Selection Table-IoT Edge Gateway

Model		USR-M100	USR-M100-HM	USR-M300
		USR-M100-ETH USR-M100-EAU (4G version)	USR-M100-HMETH USR-M100-HMGL(4G version)	USR-M300-ETH USR-M300-GL(4G version)
Edge Gateway	OS	RT-Thread	Open Harmony	Linux MIPS
	Number of Points	300	1000	2000
	Source of Points	Serial Port, Ethernet port, IO,Virtual Points (Inter-point Calculation)	Serial Port, Ethernet port, IO,Virtual Points (Inter-point Calculation)	Serial Port, Ethernet port, IO,Virtual Points (Inter-point Calculation)
	Batch Operation of Points	Point List Import/Export CSV	Point List Import/Export CSV	Point List Import/Export CSV
	Acquisition Protocol	Modbus RTU/TCP Industry Protocol: DL/T 645(2007)	Modbus RTU/TCP Industry Protocol: DL/T 645(2007)	Modbus RTU/TCP Industry Protocol (DL/T 645(2007),IEC104, IEC61850,Bacnet, DNP3.0)
	Active Reporting	1 Groups, JSON Template Reporting	Multiple Groups, Custom JSON Templates for each group	Multiple Groups, Custom JSON Templates for each group
	Change Reporting	nts within the JSON Template, All Po	Reporting and Group Template Reporti	Group Change Reporting
	Protocol Conversion	Modbus RTU Modbus TCP Json	Modbus RTU Modbus TCP Json	Modbus RTU Modbus TCP Json bacnet OPC UA (Server) IEC104
		Link Selection, Common Reporting	Link Selection, choose 1 of 4	TCP, Independent Link
	Power Fail Storage	×	×	×
	Resume Transmission on Network Reconnection	×	TF Card Storage	Memory (2G)
Linked Control	Linked Events	10	30	50
	Trigger Method	Single Point Trigger	Single Point Trigger	Multi-point Trigger
	Linked Trigger	DO Active	DO Action, SMS Alarm	DO Action, Cloud Alarm, SMS Alarm, Write Points
Network	Etherent Port	1*WAN	1*WAN	1*WAN/LAN+1*LAN
	4G Cellular (Optional)	4G Cat4	4G Cat 4	4G Cat4
	WiFi	/	/	/
Positioning	GNSS/GPS	/	Base Station Positioning / GNSS Positioning	Base Station Positioning / GNSS Positioning
Serial Port	Serial Port	1*RS485/RS232+1*RS485	1*RS485/RS232+1*RS485	1*RS485/RS232+1*RS485
IO	IO	2DI+2AI+2DO Expandable (up to 6 expansion units)	2DI+2AI+2DO Expandable (up to 6 expansion units)	2DI+2AI+2DO Expandable (up to 6 expansion units)
Communication Link	Protocol	TCP/UDP/HTTP/MQTT (Single Channel)	TCP*2+MQTT*2 (4 Channels)	TCP/HTTP/MQTT (2 Channels)
	Cloud Service	Alibaba Cloud/AWS/Huawei Cloud/Thingsboard	Alibaba Cloud/AWS/Huawei Cloud/Thingsboard	Alibaba Cloud/AWS/Huawei Cloud/Thingsboard
	Encryption	SSL	SSL	SSL
	Transparent Transmission	√	×	×
Router	Static Routing	×	×	√
VPN	VPN	×	×	PPTP/L2TP/OpenVPN
Node-Red	Graphical Design	×	×	√
Pusr Cloud	Pusr Cloud	Edge Computing/Cloud Monitoring/Remote Configuration/Firmware Upgrade	Edge Computing/Cloud Monitoring/Remote Configuration/Firmware Upgrade	Edge Computing/Cloud Monitoring/Remote Configuration/Firmware Upgrade
	Point table synchronization mode	Cloud deployment delivers the configuration point table to the device	The device uploads its configuration point table to the cloud.	The device uploads its configuration point table to the cloud.
SNMP	SNMP	SNMP V3	×	×
Synchronize Time	Sytem Time	NTP/Synchronize Browser Time	NTP/Synchronize Browser Time/Manual Setting	NTP/Synchronize Browser Time/Manual Setting
Firewall	Firewall	×	×	√