Industrial Infrastructure

Edge Intelligent IIoT Protocol Gateway

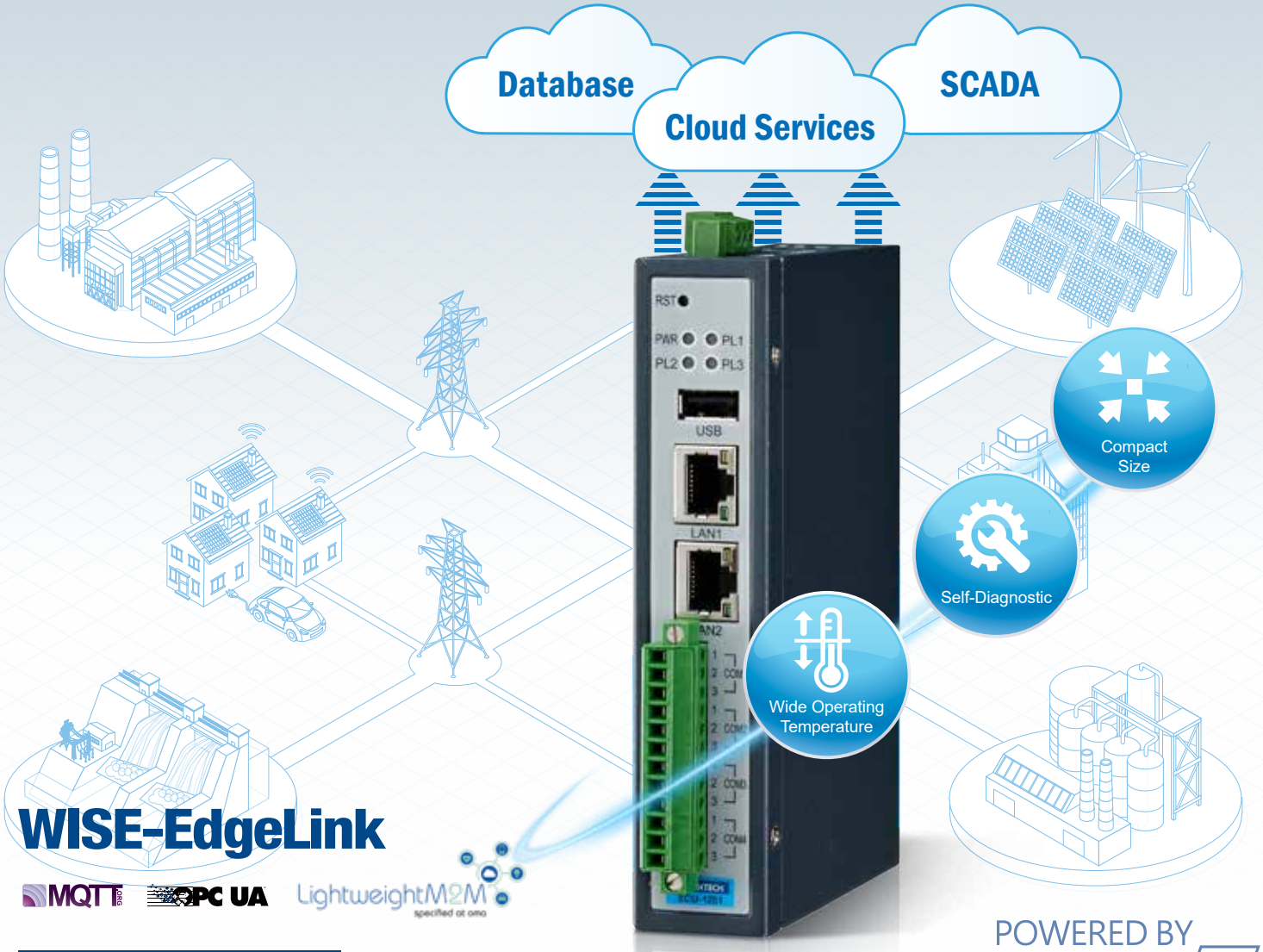
Edge Communication for Energy Visualization

Edge Solution Ready Package

Edge-SRP
Edge Solution Ready Package

ESRP-PCS-ECU1251

- Advanced metering infrastructure (AMI) tracks power consumption and predicts demand
- Improved maintenance efficiency via remote monitoring
- Platform scalability with distributed management and multi service access



WISE-EdgeLink

MQTT OPC UA LightweightM2M specified at oneM2M

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Edge Solution-Ready Package
ESRP-PCS-ECU1251

Advanced metering infrastructure (AMI) tracks power consumption and predicts demand

AMI expands the range of time-based programs that can offered to consumers. Smart systems such as Energy Management Systems can make it easier for consumers to change behaviors and reduce peak periods of power consumption.

Improved maintenance efficiency via remote monitoring

WISE-EdgeLink, Edge SRP supports a wide range of power equipment protocols, energy meters, and HVAC devices. Real-time operation and power distribution status can be synchronized to help meet energy efficiency targets.

Platform scalability with distributed management and multi service access

Unlike virtual machine access, ECU gateway supports data access to a variety of cloud platforms through the standard MQTT protocol, with distributed access control architecture for different environments.

Intelligent Edge Communication Unit	
CPU	Cortex-A8, 800MHz
Memory	DDR3L 256MB
Storage	256MB
Data Storage	4GB SD card
Communication Interface	2 x RJ45 (IPv4/IPv6)
	4xRS-232/485(Screw Terminal)
	1 x USB 2.0 Host
Wireless Connectivity	LTE/3G/2G(Optional)
	WLAN(WiFi)/Bluetooth (Optional)
Display Interface	Power LED, Software Run LED
SIM Holder	1 x Nano SIM Slots
Power Input	10-30V_{DC}
Installation	DIN-rail mounting, Wall Mount
Operating Temperature	-40~70°C
Certification	CE/FCC Class A

Embedded Software Feature	
Operating System	Real-time Embedded Linux, kernel v4.9.69
Security	HTTPS/SSL, TLS, SSH
Data Service	MQTT, LwM2M, RESTful API
Programming	IEC-61131-3, Linux C, Python, Node-RED
Networking	DHCP, HTTPS, FTP, NTP
Support Protocols	OPC-UA Client & Server
	DNP3.0 Client & Server
	IEC-60870-5-104 Master & Slave IEC-60870-5-101 Slave
	Modbus RTU/TCP Master & Slave
	BACnet/IP Server
Data Monitoring	3000 Tags Max.
Data Remote backup	200 Tags Max.
Event Manager	SMS , E-Mail
VPN Tunneling	Open VPN Client
Time Management	NTP Client/ SNTP Client/ GPS
Configuration Options	WISE-EdgeLink Studio Multi-Prog Express

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Ordering Information

ESRP-PCS-ECU1251	Cloud enabled protocol gateway with EdgeLink, 2 x LAN, 4 x COM, 4GB Storage

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