Industrial Equipment Manufacturing

Edge Solution Ready Package

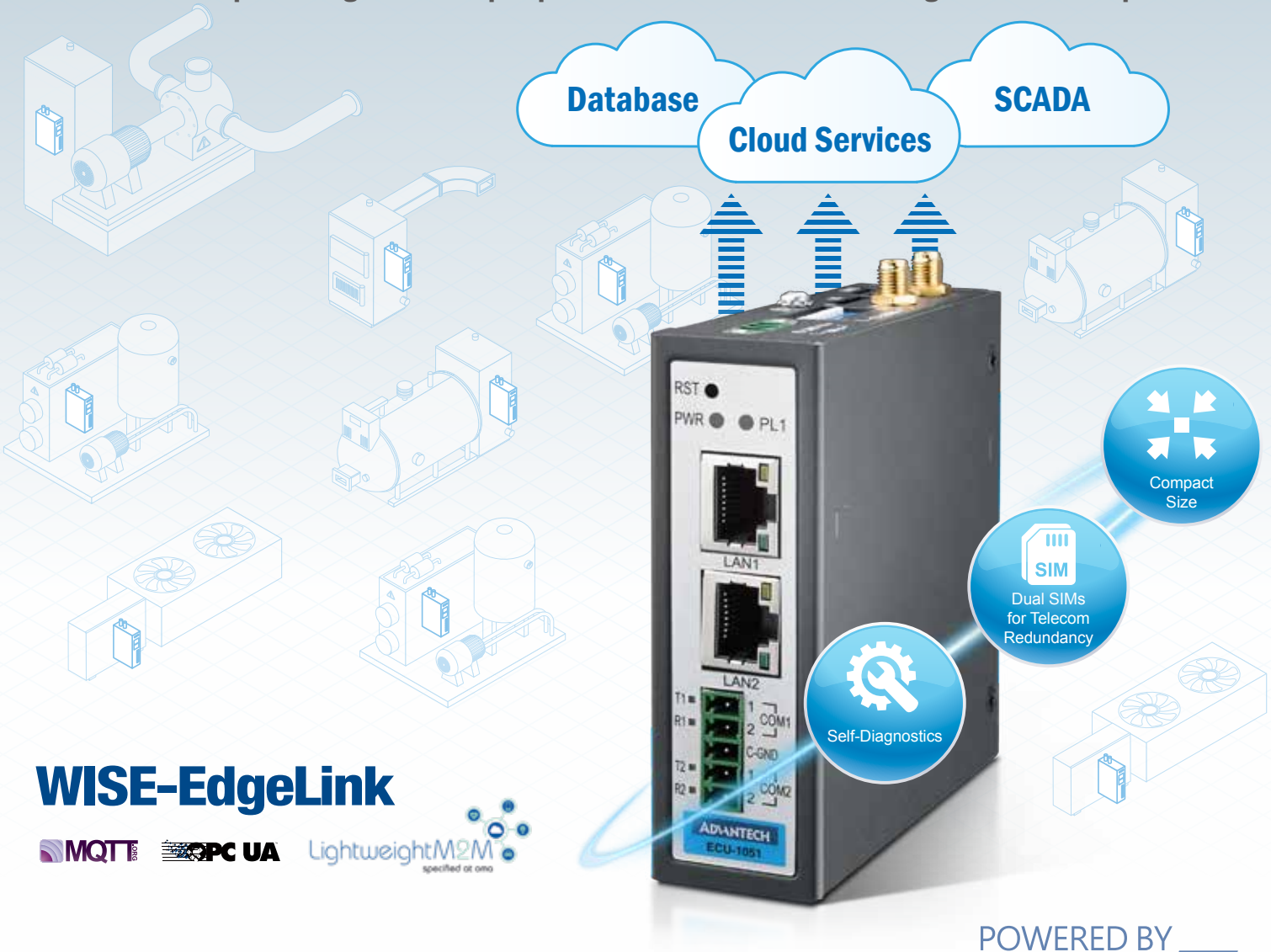
Edge Intelligent IoT Gateway

Edge Communication for Remote Maintenance

ESRP-PCS-ECU1051

Edge-SRP
Edge Solution Ready Package

- Accelerate service & maintenance processes by digitizing equipment
- Dual SIM for telecommunication redundancy to limit downtime of remote service
- Advanced data publishing and backup capabilities for real-time monitoring and historical queries



WISE-EdgeLink

MQTT OPC UA LightweightM2M

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WISE-PaaS

Edge Solution-Ready Package
ESRP-PCS-ECU1051

Accelerate service & maintenance processes by digitizing equipment

With the help of EdgeLink technology, equipment status can be defined as multiple tags. Users can track real-time data from equipment located anywhere in the field and then use the information to improve their business in numerous ways. With the tags subscription service, the information on temperature, pressure, and power consumption can be delivered timely and accurately to minimize equipment downtime and maintain peak productivity levels.

Dual SIMs for telecommunication redundancy to limit downtime of remote service

Within a given area, a service provider may either not be present or offer only unreliable connectivity related to poor signal strength. With a dual SIM card holder, our Edge SRP provides communication backup by switching between two independent mobile networks.

Advanced data publishing and backup capabilities for real-time monitoring and historical queries

The ECU gateway enables serial and Ethernet-based connections to databases and ERP applications. It independently acquires process and manufacturing data through a variety of interfaces and passes it directly onwards to higher-level management systems. In the case of a connection break, EdgeLink handles the buffering of the arriving data, provides a time stamp, and sends it to the database after the connection has been reestablished.

Edge Intelligent Hardware Feature	
CPU	Cortex-A8, 600MHz
Memory	DDR3L 256MB
Storage	NAND Flash 512MB
Data Storage	4GB SD card
Communication Interface	2xRS-232/485 (Screw Terminal)
	2 x RJ45 (IPv4/IPv6)
Wireless Connectivity	LTE/3G/2G(Optional)
	WLAN (WIFI) / Bluetooth (Optional)
Display Interface	Power LED, Software Run LED
SIM Holder	2 x Nano SIM Slots
Power Input	10-30VDC
Installation	DIN-Rail / Wall Mounting
Operating Temperature	-40~70°C
Certification	CE/FCC Class A

Embedded Software Features	
Operation 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/ IPsec/ L2TP
Time Management	NTP Client/ SNTP Client/ GPS
Configuration Options	WISE-EdgeLink Studio Multi-Prog Express

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Ordering Information

ESRP-PCS-ECU1051	Compact size protocol gateway with EdgeLink, 2xLAN, 2xCOM, 4GB Storage

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