

Smart  
Infrastructure

# Edge Intelligent IIoT Protocol Gateway

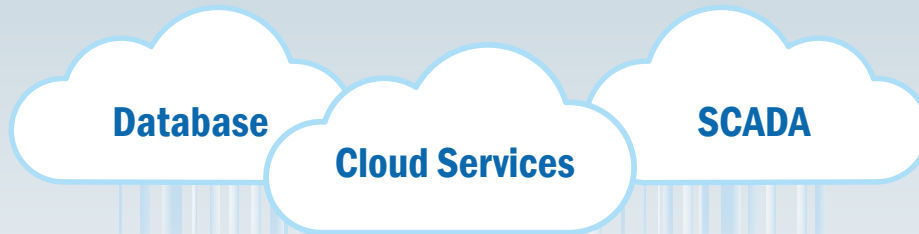
Edge Communication for Public Infrastructure

Edge  
Solution Ready  
Package

## ESRP-PCS-ECU4553



- Collects equipment information using multi protocol support for facility operation and management
- Improved maintenance efficiency via remote monitoring and Ethernet-based communication
- Easy deployment using rich communication interfaces and standard 1U rack installation



## WISE-EdgeLink



# ADVANTECH

Enabling an Intelligent Planet

POWERED BY  
ADVANTECH  
**WISE-PaaS**

# Edge Solution-Ready Package

## ESRP-PCS-ECU4553

### ✔ Collects equipment information using multi protocol support for facility operation and management

Energy management systems and other smart solutions encourage consumers to change their behavior 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/water meters, and HVAC devices. Real-time operation and power distribution statuses can be synchronized to meet facility efficiency targets.

### ✔ Flexible development of applications with Linux OS and open TagLink SDK

Diverse interfaces and standard 1U rack installation rack eases deployment. Integrating communication gateways with other platform is easier. 4x LAN and 16x COM enables arrangement flexibility for optimal system architecture.

Intelligent Edge Communication Unit	
Platform	ESRP-PCS-ECU4553
Control Software	EdgeLink Studio
CPU	TI Cortex A8, 800MHz (600MHz)
Memory	DDR3L 1GB (512MB)
Backup Memory	N/A
Display Size/ Type	1 x VGA D-SUB15 640*480@60Hz
Storage	1GB Micro-SD card (8GB eMMC) for system storage
Expansion Slots	1 x Micro-SD slot 1x Full size mPCIe slot /1 x SIM card slot (Optional)
Network(LAN)	4 x 10/100 Base-T RJ-45 ports
I/O Port	16 x RS-232/485 (Terminal Block) 1 x COM (DB9 for Debugging) 1 x USB 2.0B
iDoor Expansion	N/A
Mounting	1U Rackmount
Power Input (Voltage)	100 ~ 240 VAC, 100 ~ 240 V <sub>DC</sub>
Operating Temperature	-40 ~ 70 °C (-40 ~ 158 °F)
Storage Temperature	-40 ~ 85 °C (-40 ~ 185 °F)
Dimensions (WxDxH)	440 x 180 x 44 mm (17.3 x 7.08 x 1.73 in)
Certification	CE, FCC Class A

Embedded Software Features	
Operating System	RT-Linux 4.9.x
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

### Ordering Information

ESRP-PCS-ECU4553

Edge intelligent protocol gateway with EdgeLink, 4 x LAN, 16 x COM, 4GB Data Storage

**ADVANTECH**

Enabling an Intelligent Planet