

Energy &
Environment

Edge Data Collector

PoE-Powered Device Sensing Gateway

Edge
Solution Ready
Package

ESRP-PCS-UN0420



- Can adapt to various data acquisition devices
- Enables cloud connectivity for full data utilization
- Ensures easy installation with Power over Ethernet



WISE-PaaS/EdgeLink



200+ PLC

LightweightM2M

specified at omo

POWERED BY

ADVANTECH



WISE-PaaS

Edge Solution-Ready Package

ESRP-PCS-UNO420



Easy installation with combined power and data cable

Support for PoE enables easy installation in awkward or remote locations with the use of a single Ethernet cable for both data and power delivery.



PoE offers considerable cost savings

Compared to fiber cables, Ethernet cables are significantly less expensive to install and are suitable for a wide range of infrastructures and environments.



Can adapt to various data acquisition devices

Terminal equips with rich I/O, and able to support different interface of sensors, devices, and PLC etc. for various industry applications.

PoE Sensing Gateway	
Part Number	ESRP-PCS-UNO420
CPU	Intel® Atom™ E3815 (1.46 GHz)
System Chip	Intel® Atom™ SoC
TPM	TPM 2.0
Memory	2 GB of DDR3L 1066 MHz
Storage	32 GB eMMC storage onboard 1 x M.2 (B-Key 2242, up to 512 GB)
I/O	1 x USB 3.0 1 x RJ45 with PoE PD - Power On-Off remote control 1 x RJ45, 10/100/1000 Mbps IEEE 802.3u 1000 BASE-T Fast Ethernet (Realtek RTL8111E GbE, 802.10 av) 1 x HDMI supports 1920 x 1080 @ 60 Hz 4DI/4DO (Programmable ADC, DAC 12bit) 2 x DB9 selectable mode for RS-232/422/485 1 x RS-485 1 x DC-In (2 pins, terminal block)
Expansion Slots	1 x Full-size mPCIe 1 x Half-size mPCIe
LED Indicators	PWR, HDD
Communication	2 x mPCIe (1 x full size with SIM, 1 x half size) 4 x Antenna (1 x Wi-Fi, 1 x GPS, 2 x 3G/4G LTE)
Power Supply	PoE: IEEE 802.3at DC jack: 10 ~ 36V _{dc}
Operating Temperature	- 20 ~ 60 °C (-4 ~ 140 °F) @ 5 ~ 85% RH
Storage Temperature	- 40 ~ 80 °C (-40 ~ 180 °F)
Dimensions (W x D x H)	125 x 125 x 50 mm (4.92 x 4.92 x 1.96 in)
Mount Options	Wall, DIN rail (optional)
Operating System	Ubuntu 16.04.1 LTS (remote Power On/Off), Windows 10 LTSB
Certification	CE, FCC, CB, KC
Power Requirement	24 V _{dc}
Power Consumption	5W @24 V

Ordering Information

ESRP-PCS-UNO420

PoE sensing gateway with EdgeLink, 1 x USB 3.0, 1 x HDMI, 2 x LAN, 3 x COM, 4 x DI/DO