

Smart
Infrastructure

Cloud-Enabled Modular DAQ Platform for Industrial IoT

Edge Intelligence for Facility Monitoring

Edge
Solution Ready
Package

ESRP-PCS-ADAM3600



- Optimizing Efficiency with Connected Equipment
- Data Storage and Transmission
- Real-Time Monitoring and Cloud Connectivity



WISE-EdgeLink



ADVANTECH

Enabling an Intelligent Planet

POWERED BY

ADVANTECH
WISE-PaaS

Edge Solution-Ready Package

ESRP-PCS-ADAM3600

✓ Optimizing Efficiency with Connected Equipment

For industrial boilers, air compressors, chillers, power distribution cabinets, and other equipment, the ESRP-PCS-ADAM3600 provides a variety of industrial protocols for rapid collection of equipment data. It has the ability to translate raw data from connected devices into useful information and helps maximize equipment efficiency with reliable data.

✓ Data Storage and Transmission

ESRP-PCS-ADAM3600 integrates local data storage and forwarding to ensure all useful information will be caught whenever the network is down to help reduce equipment maintenance costs.

✓ Real-Time Monitoring and Cloud Connectivity

With WISE-EdgeLink Studio, ESRP-PCS-ADAM3600 can provide a "click-and-go" function for sending site data to the cloud. Acquired data can be easily and effortlessly uploaded for analysis and visualization to serve as a more useful reference for management.

Edge Intelligent Hardware Features	
CPU	Cortex-A8, 600MHz
Backup Memory	32KB
Memory	256MB
Data Storage	4GB SD card
I/O (Isolated)	8x AI, 8x DI, 4x DO
Communication Interface	2 x RJ45 (IPv4/IPv6)
	2xRS-485 (Screw Terminal) 1xRS-232/485 (Screw Terminal)
	1 x USB 2.0 Host
Wireless Connectivity	Cellular (Optional)
	WLAN (WiFi)/Bluetooth (Optional)
Display Interface	1 x VGA
	System LEDs, I/O LEDs
Power Input	10-30VDC
Installation	DIN-rail mounting/ Wall Mount
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
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	500 Tags Max.
Event Manager	SMS, E-Mail
VPN Tunneling	Open VPN Client/ IPsec/ L2TP
Time Management	NTP Client/ SNTP Client/ GPS
Configuration Options	WISE-PaaS/EdgeLink Studio Multi-Prog Express

Ordering Information

ESRP-PCS-ADAM3600

Modular edge intelligent data acquisition with EdgeLink, 2xLAN, 3xCOM, 8x AI, 8x DI, 4x DO, 4GB storage