Arista's PoE powered industrial computers provide great advantages of deployment across the production floors among various manufacturing sectors.

Flexibility

Arista's PoE powered industrial computers can be placed and installed anywhere where power source is not readily available. It only requires one CAT 5e cable to supply both power and data. The installation does not require scheduling a certified electrical technician for installation.

Safety

Per IEEE standards, PoE is injected into a cable at voltage between 44 and 57V DC, typically 48V DC. Typically, anything less than 35V AC or 60V DC is considered safety extra low voltage (SELV). PoE automatically stops power current flows if there is a service interruption.

Reduced Installation Costs.

With a single cable delivering both power and data simultaneously, PoE installation costs are less than the cost of traditional installation cost.

Scalability

Traditionally, deploying new industrial computing equipments across manufacturing sites is expensive and time-consuming due to how challenging it can be to adjust the existing power layout architecture. Arista's PoE powered industrial computers gives the scalability of deployment by adding CAT5e cables to the locations where the computer equipments to be located.

Easy to install

With a single CAT5e cable delivering both power and data simultaneously, it eliminates the requirements of laying out power cables.

Arista's PoE powered Industrial Computers

- Waterproof Panel PCs Powered by PoE
- Operator Terminal Workstations Powered by PoE

Power

Arista's 72/150W 24VDC
Output DIN Rail Power Supply

24VDC Input

24VDC In
Non-Polarity

DATA

Data

PoE Out

PoE OUT

ARISTA
PoE Injector

APOE-60E-BT
POE INJECTOR

PoE   Power

+
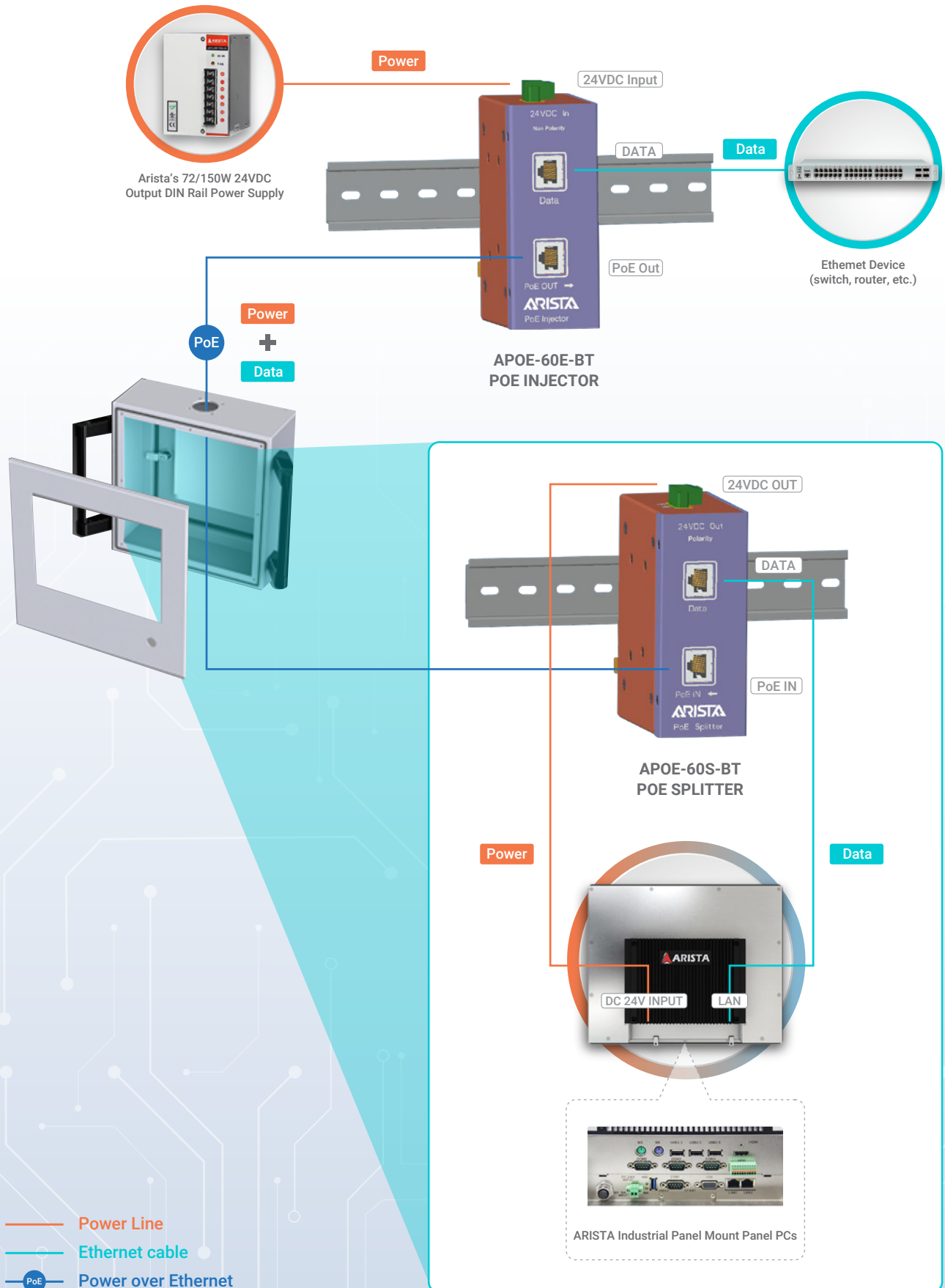
Data

Data

Ethernet Device
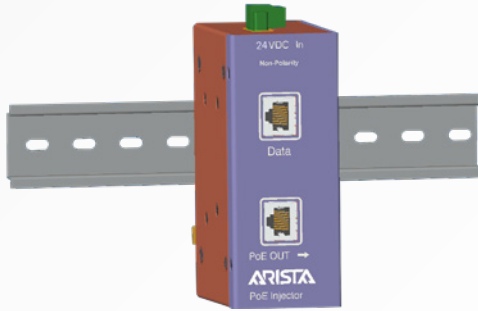(switch, router, etc.)

ARP-3821AX-AMA2
Wall Mount Pendent Arm

Power Line
Ethernet cable
PoE   Power over Ethernet

Industrial Computers Powered over PoE Injector and PoE Splitter

Power

24VDC Input

DATA

Data

Arista's 72/150W 24VDC
Output DIN Rail Power Supply

Ethernet Device
(switch, router, etc.)

PoE Out

Power

+

Data

PoE

**APOE-60E-BT
POE INJECTOR**

24VDC OUT

DATA

PoE IN

**APOE-60S-BT
POE SPLITTER**

Power

Data

DC 24V INPUT

LAN

ARISTA Industrial Panel Mount Panel PCs

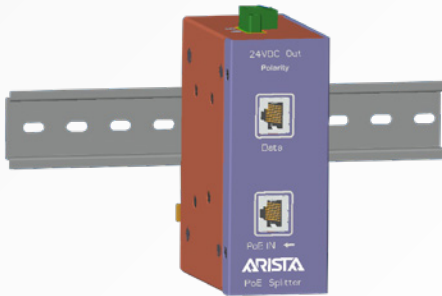Power Line

Ethernet cable

PoE Power over Ethernet

APOE-60E-BT POE INJECTOR

- Converts a non-PoE port to a PoE++ Gigabit port
- Supplies PoE (15.4W), PoE+ (30W), or PoE++ (65W)
- Integrated power supply
- Network a PoE device up to 100m (328 ft.) away
- IEEE 802.3af/at/bt compliant

Standards	802.3af, 802.3at, 802.3bt
Interface	1 x Gigabit Data in port, 1 x Gigabit PoE++ out port
Operating Voltage	24VDC
PoE Budget	60W
Temperature	0~50°C
Humidity	Max 90% non-condensing
Dimensions	
Weight	

APOE-60S-BT POE SPLITTER

- Powers a non-PoE device
- Supplies 24VDC PoE (15.4W), PoE+ (30W). or PoE++ (65W)
- 24VDC output
- Powers and Networks a non-PoE device up to 100m (328 ft.) away

Standards	802.3af, 802.3at, 802.3bt
Interface	1 x Gigabit PoE++ input port, 1 x Gigabit Data out port
DC Output Voltage	24VDC
Max Supply Wattage	60W
Temperature	0~50°C
Humidity	Max 90% non-condensing
Dimensions	
Weight	