iEi

Installation Cost Savings
Dramatically reduces cost of deployment – savings up to $1,000 per PD

Simplifies Installation
Uses a single CAT-5/5e/6 cable for both data and electrical power

Centralized Power Backup
Continuous operation during power interruptions

Safe Power
Will not damage Non-PoE devices or legacy peripherals
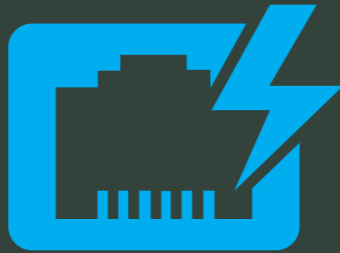
Centralized Power Management
Devices can be remotely powered down during periods of low usage or for security purposes

GPOE-2P
GPOE-4P

Power over Ethernet (PoE) technology allows a single Ethernet cable to carry both data and power to a device. It is used in various applications, such as transportation, surveillance and factory automation applications because of the installation convenience and high integration with current IT system. GPOE-4P with IEEE 802.3af (up to 15.4 watts per port) and GPOE-2P with IEEE 802.3at (up to 34.2W per port) can widen applications with flexible expansion interface.

GPOE-2P

Centralized Power Backup
Continuous operation during power interruptions

Centralized Power Management
Devices can be remotely powered down during periods of low usage or for security purposes
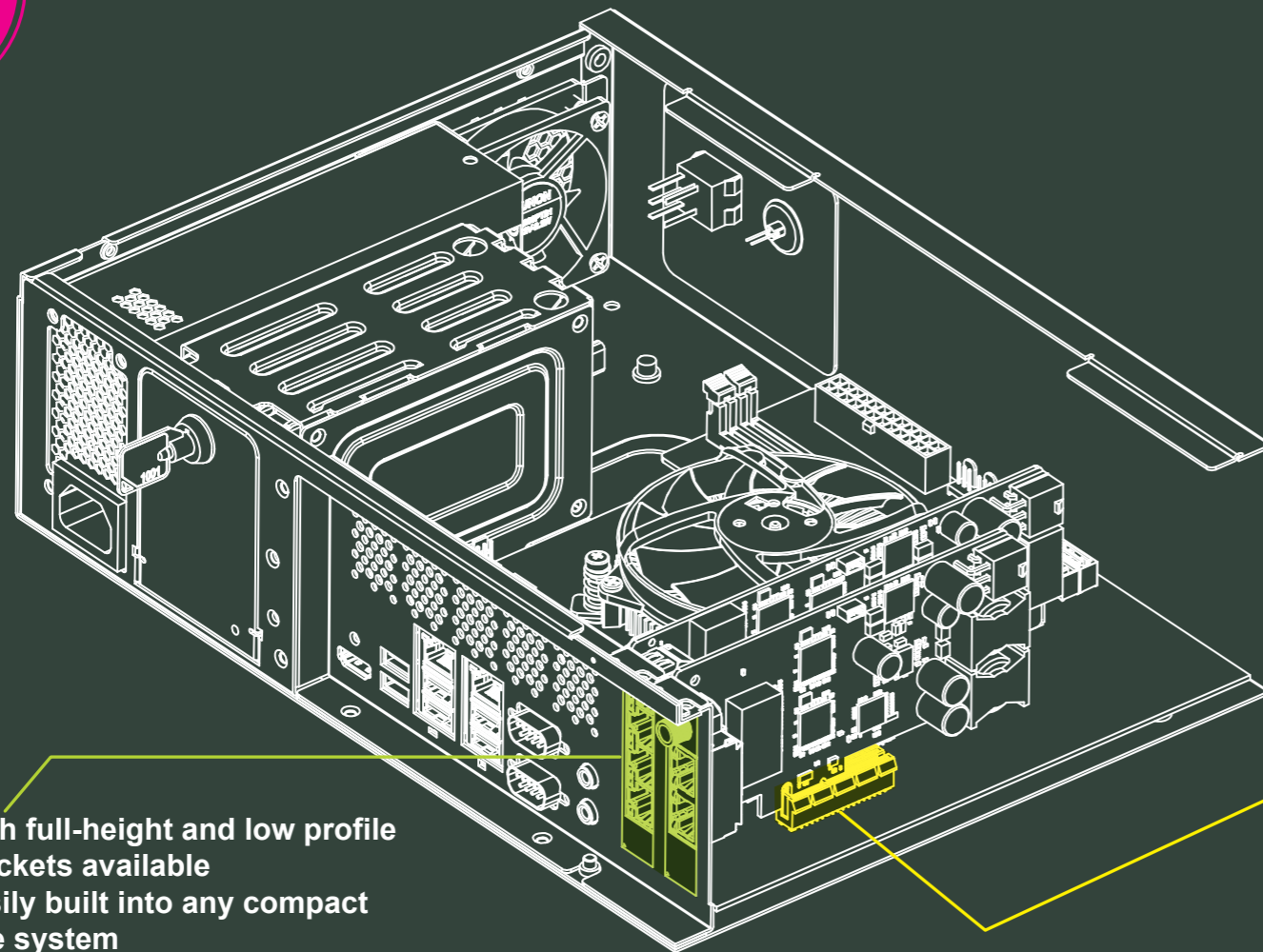
12~24V wide range DC input
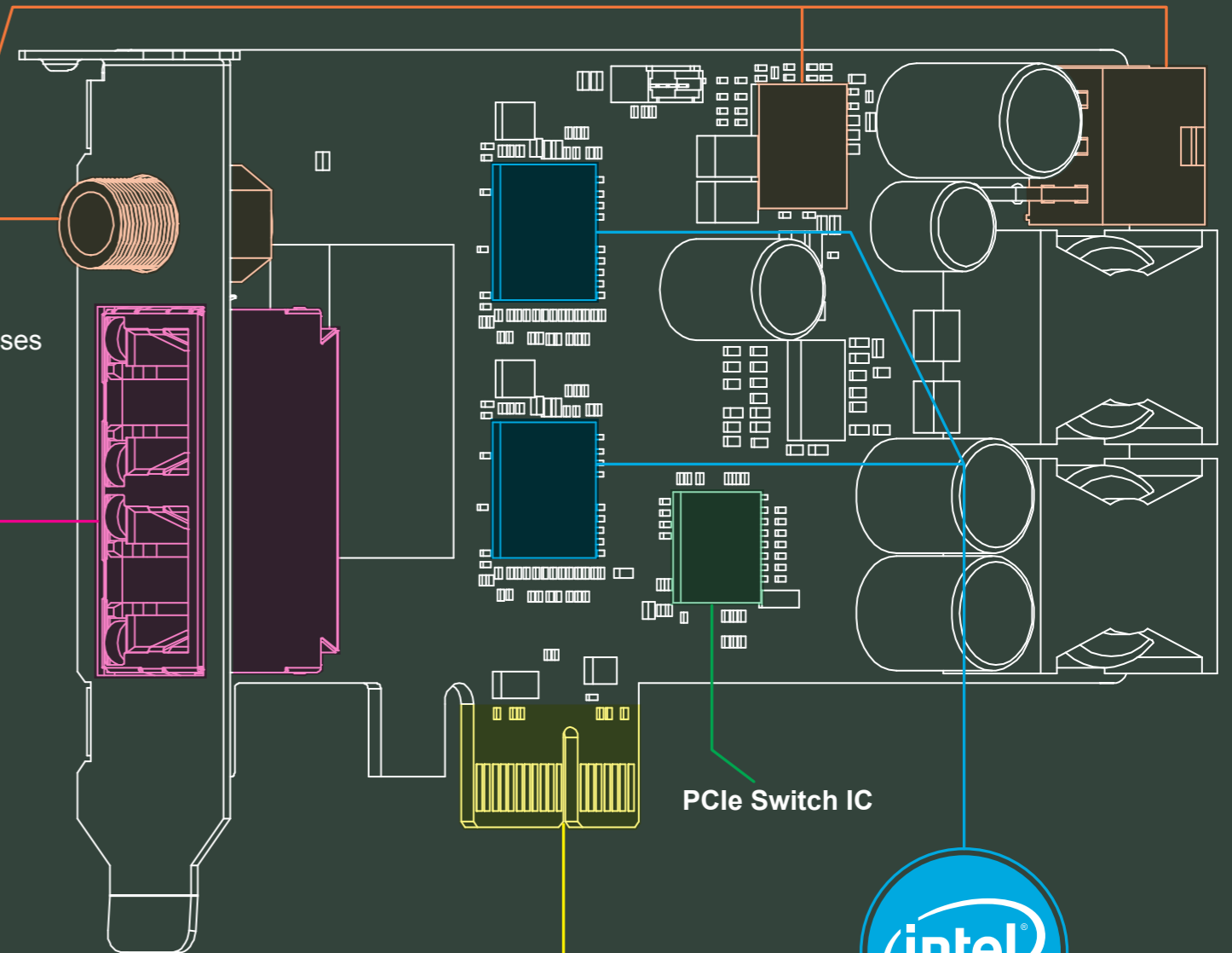Support with dual DC-input connector

PoE

*Caution! Choose one input only at a time.

Support IEEE 802.3at for PoE (Power over Ethernet)
with 30 watts per port

PCIe Switch IC

intel

Intel® I211-AT Ethernet Controller
Link aggregation/jumbo frames (9 Kbyte)

PCI Express® x1 compliant
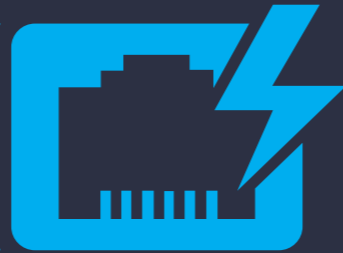
**Both full-height and low profile
brackets available
Easily built into any compact
size system**

GPOE-4P

Centralized Power Backup
Continuous operation during power interruptions

Centralized Power Management
Devices can be remotely powered down during periods of low usage or for security purposes
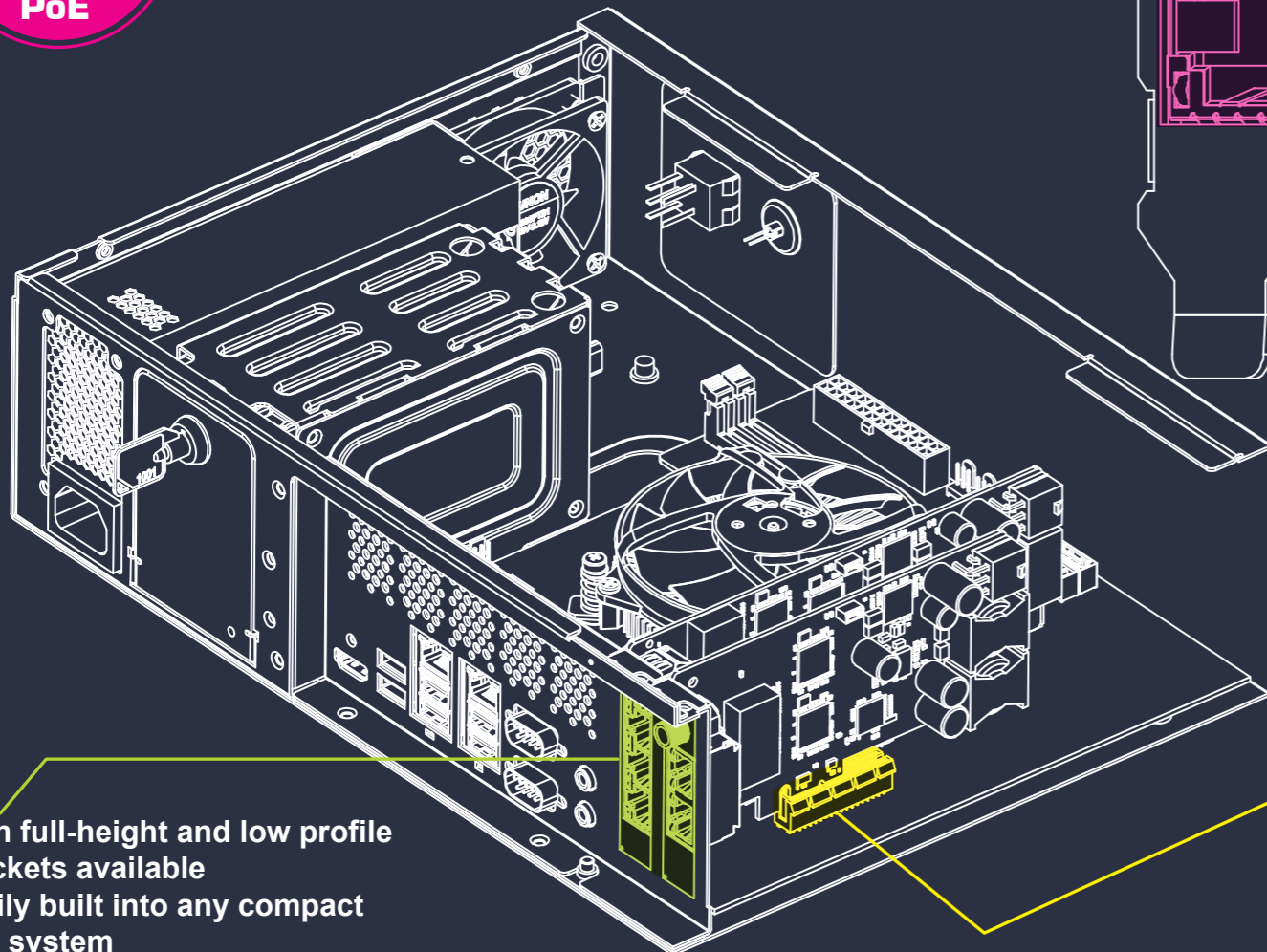
Intel® I211-AT Ethernet Controller
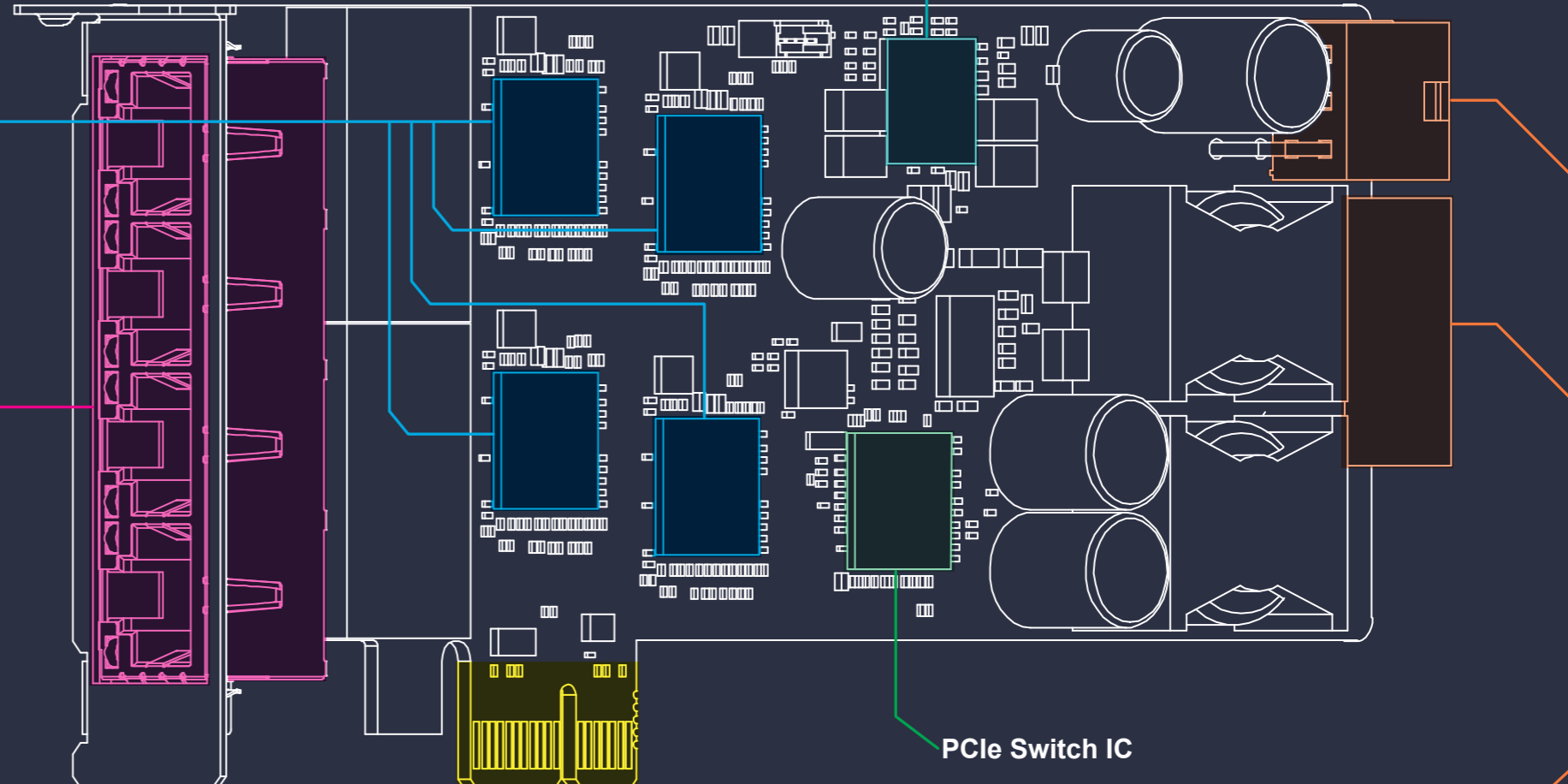Link aggregation/jumbo frames (9 Kbyte)

intel

PoE

Support for total 60 watts under full load.
● Standard mode: IEEE 802.3af with 15.4 watts per port.
● Dual port mode: IEEE 802.3at with 30 watts per port.

PCIe Switch IC

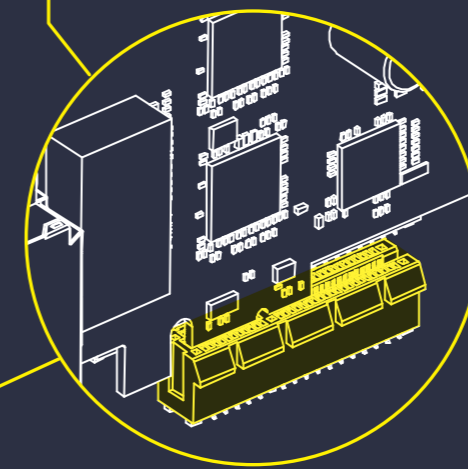**12~24V wide range DC input**
Support with dual DC-input connector
*Caution! Choose one input only at a time.

PCI Express® x1 compliant

Both full-height and low profile brackets available
**Easily built into any compact size system**

Machine Vision

With PoE technology, users can easily connect various PoE PD supported IP camera to the control system through the standard CAT-5/CAT-6 cable (up to 100 meters) to transfer both electrical power and data at the same time. In this application, users can lower the difficulty of routing to avoid the risk of power adapter failure, and easily build the system to act as PSE, allowing the entire production process to be monitored and controlled from A to Z.

Installing
GPOE-2P & GPOE-4P
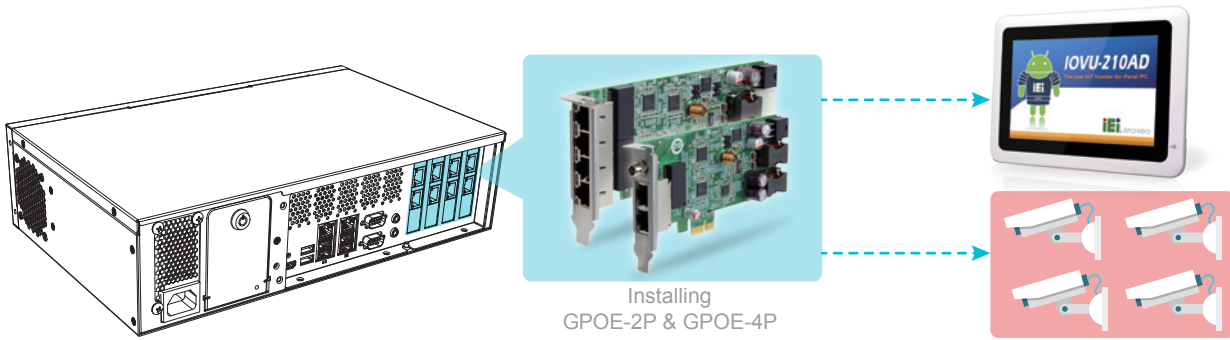
Access Control

Access control system can be easily developed by connecting PoE-capable devices like door controller, locking system and RFID reader. Combining power supply and data transmission in a single cable can save both cost and time on system installation. It is also easy to integrate IP-based system into the existing IP infrastructure.

Installing
GPOE-2P & GPOE-4P
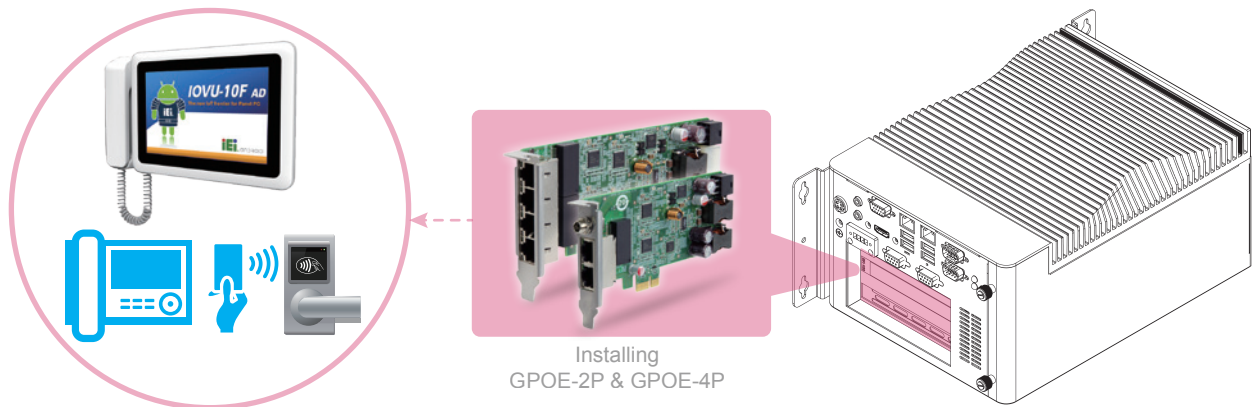
In-Vehicle System

The GPOE series can be easily added into in-vehicle control system and connect to various devices like surveillance camera, bus payment terminal or in-bus digital signage system. Both data and electrical power can run on standard CAT-5/CAT-6 cable to lower the difficulty of routing and avoid the risk of power adapter failure.

Installing
GPOE-2P & GPOE-4P

Cameras

Bus Payment
Terminal

GPOE-2P

PCI Express Power over Ethernet card, 2-port 1000 Base(T), 802.3at compliant, low profile, RoHS
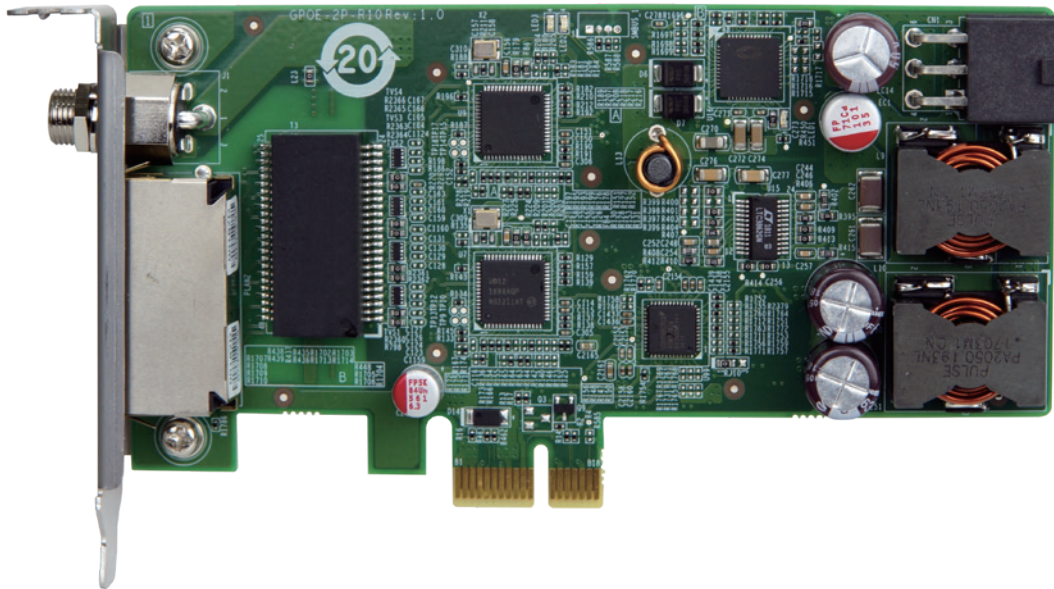
## Specifications

- Interface
  PCI Express® x1
- Ethernet
  Intel® I211AT controller
  9kB jumbo frame
  IEEE 802.3az, IEEE1588
- Power Input
  12~24V DC input
  1 x Internal DC input (1x4 pin)
  1 x External DC Jack (Φ2.1/Φ5.5)
  **Caution! Choose one input only at a time
- PoE Capability
  IEEE 802.3at
  30W / 52V DC per port
- Operating Temperature
  0°C ~ 60°C
- Storage Temperature
  -10°C ~ 70°C
- Operating Humidity
  5% ~ 95%, non-condensing
- Dimensions
  130 mm x 65 mm
- Weight
  110g
- CE/FCC compliant

Features

- PCI Express® x1 compliant
- Support IEEE 802.3at for PoE (Power over Ethernet) with 30 watts per port
- Support link aggregation/jumbo frames (9 Kbyte)
- Supports 12V~24V DC input power

(Unit: mm)
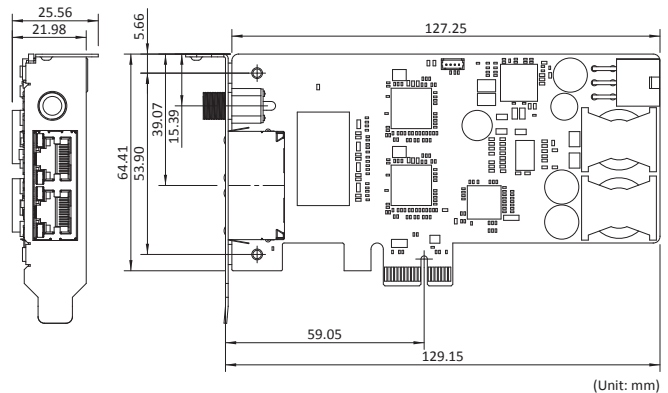
Packing List

1 x GPOE-2P card	
1 x QIG (Quick Installation Guide)	

Ordering Information

| Part No.	Description
GPOE-2P-R10	PCI Express Power over Ethernet card, 2-port 1000 Base(T), 802.3af compliant, low profile, RoHS
63040-010090-120-RS	Power adapter, FSP, FSP090-DIEBN2, 9NA0904712, Vin:90~264VAC, 90W, Plug=7.5mm, Cable=1500mm, Erp (no load 0.5W), Vout:19VDC, Φ2.1/Φ5.5/lock, CCL, RoHS
63040-010065-200-RS	Power adapter, FSP, FSP065-REBN2, 9NA0654709, Vin:90~264VAC, 65W, Dim:46.3x108.3x30mm, Plug=7.5mm, Cable=1500mm, Erp (no load 0.1W), Vout:19VDC, Φ2.1/Φ5.5/lock, CCL, RoHS

GPOE-4P

PCI Express Power over Ethernet card, 4-port 1000 Base(T), 802.3at/af compliant, low profile, RoHS
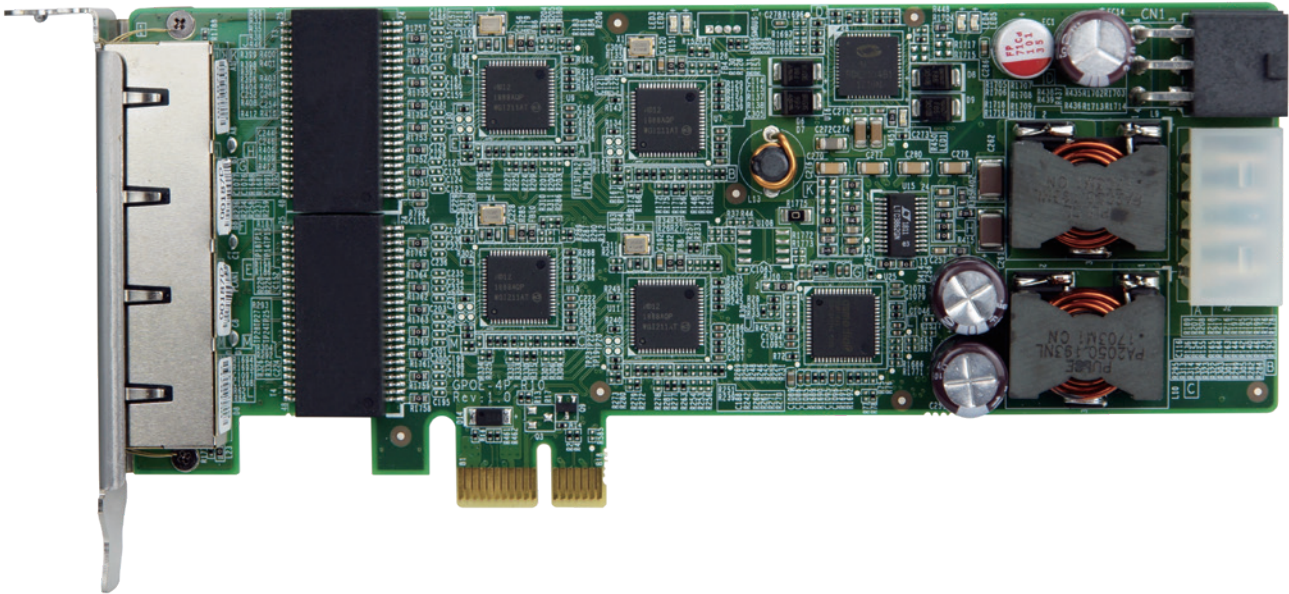
## Specifications

- Interface
  PCI Express® x1
- Ethernet
  Intel® I211-AT controller
  9kB jumbo frame
  IEEE 802.3az, IEEE1588
- Power Input
  12~24V DC input
  1 x Internal DC input (1x4 pin)
  1 x Internal DC input (2x3 pin)
  **Caution! Choose one input only at a time
- PoE Capability
  Standard mode: IEEE 802.3af with 15.4W / 52V per port
  Dual port mode: IEEE 802.3at with 30W / 52V per port
- Operating Temperature
  0°C ~ 60°C
- Storage Temperature
  -10°C ~ 70°C
- Operating Humidity
  5% ~ 95%, non-condensing
- Dimensions
  160 mm x 65 mm
- Weight
  110g
- CE/FCC compliant

Features

- PCI Express® x1 compliant
- Support for total 60 watts under full load
- Support link aggregation/jumbo frames (9 Kbyte)
- Supports 12V~24V DC input power

(Unit: mm)
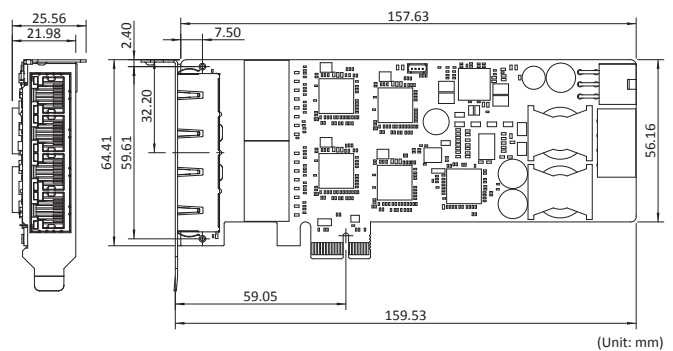
Packing List

| 1 x GPOE-4P card |
| 1 x QIG (Quick Installation Guide) |

Ordering Information

Part No.	Description
GPOE-4P-R10	PCI Express Power over Ethernet card, 4-port 1000 Base(T), 802.3af compliant, low profile, RoHS
32102-045800-100-RS	WIRE cable, power cable, 2, 300MM, 20AWG, (A) DC JACK 5.5*2.1+NUT+WASHER (Smcts:655-353), (B) TKP: H6657R1-06-B-03 P=4.2, Polywell, RoHS