

# ICS-P37 I

## IEC 61850-3 Wide Temperature Industrial Cybersecurity Gateway



Images are for reference only. See ordering information for SKU details.

### ■ Features

- IEC 61850-3 and IEEE 1613 Certified
  - Intel® Atom™ X6211E/X6413E/X6425E CPU (formerly Elkhart Lake)
  - 6x RJ45 with 1x pair bypass, 2x SFP, 1x COM, 2x USB, 2x DIO
  - Chassis Intrusion Detection, TPM 2.0
- Optional Wi-Fi 6E & IPMI support
- 1x M.2 B-Key For LTE/5G, 1x M.2 E-Key for Wi-Fi module (By SKU)
  - Dual +12~48Vdc Power Input, Operating Temperature -40~70°C

### ■ Preliminary Specifications

#### Processor System

CPU	Intel Atom X6211E/X6413E/X6425E
Frequency	Atom X6211E: 1.3 GHz, Atom X6413E: 1.5 GHz Atom X6425E: 2.0 GHz
Core Number	Atom X6211E: 2, X6413E/X6425E: 4
BIOS	AMI SPI Flash BIOS
Chipset	SoC

#### Fanless

Yes

#### Memory

Technology	DDR4, non ECC & IB-ECC
Max. Capacity	32 GB
Socket	1 x 260-pin SODIMM

#### Graphic

Controller	N/A
Interface	1 x internal DP pin-header

#### Ethernet

Controller	Intel i226IT/i210IS
Speed	RJ45: 100M/1G/2.5Gbps, SFP: 1 Gbs
Interface	6 x RJ45, 2 x SFP, 2x IPMI Ports (By SKU)
Bypass	1 pair Bypass by RJ45

#### Storage

Type	SATA
Installation	1 x 2.5" drive bay, 1 x M.2 M Key 2242
Type	SD
Installation	1 x Micro SD reader

#### Expansion

1x M.2 B-Key 3042/3050/3052 for LTE/5G Sub6 module, with dual Nano-SIM; 1x M.2 E-Key for Wi-Fi module (By SKU)

#### I/O

Serial Port	1 x RS-232, DB9 male
DIO	2 x Isolated DIO
USB	1x USB 3.0, 1x USB 2.0 type A
Power-On/Reset Button	Reset button
LED	System Status, Ethernet Status & Programmable LEDs

#### Watchdog Timer

Watchdog timer 256 level time interval system reset, software programmable

#### Power

Power Supply Voltage	Dual +12~48Vdc
Connector	Phoenix contact 6-pin connector with lock
Power Consumption (Idle)	24.2W ~ 31.7W
Power Consumption (Full Load)	41.6W ~ 46.8W
Power Adaptor	None

#### Environment

Operating Temperature	-40 ~ 70°C
Storage Temperature	-40 ~ 85°C
Relative Humidity	5% ~ 95%, non-condensing

#### Mechanical

Dimension (W x H x D)	87 x 196 x 180 mm
Construction	Aluminum + SGCC
Weight	2.2 kg
Mounting	DIN rail mount or optional wall mount

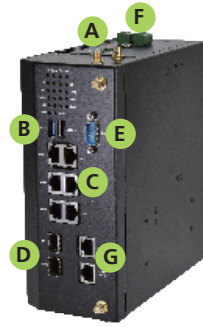
#### Driver Support

Microsoft Windows	Windows 10/11 IoT
Linux	Linux Kernel 2.6X or later

#### Certification

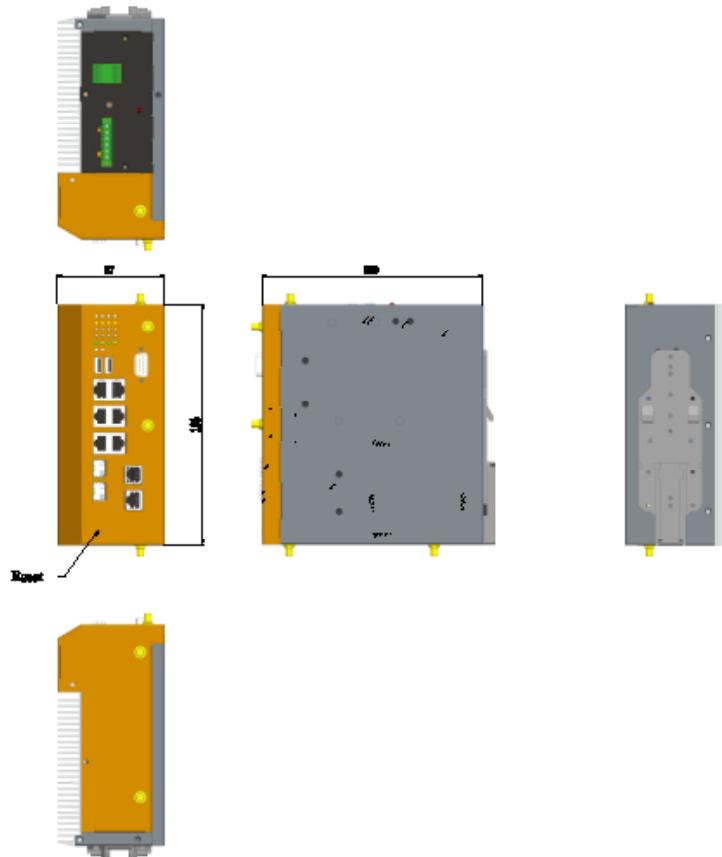
EMC	FCC/CE Class A, UL (IEC-62368), C1D2 (SKU F Only)
Others	IEC 61850-3, IEEE 1613

## Product I/O View



- A** DC IN
- B** USB
- C** RJ45
- D** SFP
- E** COM
- F** DIO
- G** Optional IPMI

## Dimensions (W x H x D): 87 x 196 x 180 mm



ICS-P371

## Ordering Information

<b>ICS-P371A</b>	IEC 61850-3 Wide Temperature Industrial Cyber Security Gateway with Intel Atom X6211E processor, 6x RJ45, 2x SFP LAN Ports, LTE/5G-Sub6, and SATA storage expansion
<b>ICS-P371B</b>	IEC 61850-3 Wide Temperature Industrial Cyber Security Gateway with Intel Atom X6413E processor, 6x RJ45, 2x SFP LAN Ports, LTE/5G-Sub6, and SATA Storage expansion
<b>ICS-P371C</b>	IEC 61850-3 Wide Temperature Industrial Cyber Security Gateway with Intel Atom X6425E processor, 6x RJ45, 2x SFP LAN Ports, LTE/5G-Sub6, and SATA Storage expansion
<b>ICS-P371D</b>	IEC 61850-3 Wide Temp Industrial Cyber Security Gateway with Intel® Atom® X6211E processor, 6x RJ45, 2x SFP LAN Ports, LTE/5G-Sub6 and SATA storage expansion, and Wi-Fi and IPMI module expansion
<b>ICS-P371E</b>	IEC 61850-3 Wide Temp Industrial Cyber Security Gateway with Intel® Atom® X6413E processor, 6x RJ45, 2x SFP LAN Ports, LTE/5G-Sub6 and SATA Storage expansion, and Wi-Fi and IPMI module expansion
<b>ICS-P371F</b>	IEC 61850-3 Wide Temp Industrial Cyber Security Gateway with Intel® Atom® X6425E processor, 6x RJ45, 2x SFP LAN Ports, LTE/5G-Sub6 and SATA Storage expansion, and Wi-Fi and IPMI module expansion

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**Lanner**

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