

ICS-P570

IEC 61850-3 Wide Temperature Industrial Cybersecurity Gateway



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

■ Features

- IEC 61850-3 & IEEE 1613 certified
- AMD Ryzen V1404I
- 6x GbE RJ45 or 4x GbE RJ45 + 2x GbE SFP (1 pair LAN bypass by RJ45)
- 1x RJ45 Console, 1x USB 3.0, 2x DIO
- 1x M.2 3042 B-Key for LTE module with dual Nano-SIM
- Dual +12~48VDC Power Input
- Wide Operating Temperature -40~70°C

■ Preliminary Specifications

Processor System

CPU	AMD Ryzen V1404I
Frequency	Max: 3.6GHz, Base: 2GHz
Core Number	4
BIOS	AMI SPI Flash BIOS
Chipset	SoC

Fanless

Yes

Memory

Technology	ECC & non-ECC DDR4 2400 MHz
Socket	2x 260-pin SODIMM
Max. Capacity	32 GB

Graphic

Controller	Vega 8 Graphics
Interface	1x Internal HDMI pin-header

Ethernet

Controller	Intel i210IT/210IS
Speed	RJ45: 100M/1G/2.5Gbps SFP: 1Gbps
Interface	6x GbE RJ45 or 4x GbE RJ45 + 2x GbE SFP
Bypass	1 pair LAN Bypass by RJ45 (LAN1, LAN2)

Storage

Type	SATA
Installation	1x M.2 2242 M-Key
Type	SD
Installation	1x Micro SD reader

Expansion

M.2	1x M.2 3042 B-Key for LTE module with dual Nano-SIM
-----	---

I/O

Console Port	1x RJ45 console
DIO	2x Isolated DIO
USB	1x USB 3.0
Power-On/Reset Button	Reset button
TPM	Onboard TPM 2.0

LED

1x POWER/STATUS/HDD LED (3 LEDs)
2x LEDs per eth ports (total 12 LEDs)
1x LED per DI or DO (total 4 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)	TBD
Power Consumption (Full Load)	TBD

Environment

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

Mechanical

Dimension (W x D x H)	65 x 196 x 201mm
Packaging Dimension	36 x 26.7 x 16.7 cm
Construction	Aluminum + SGCC
Weight	2.5 kg
Packaging Weight	3.3 kg
Mounting	DIN rail mount, optional wall mount

Driver Support

Linux	Linux Kernel 2.6X or later
-------	----------------------------

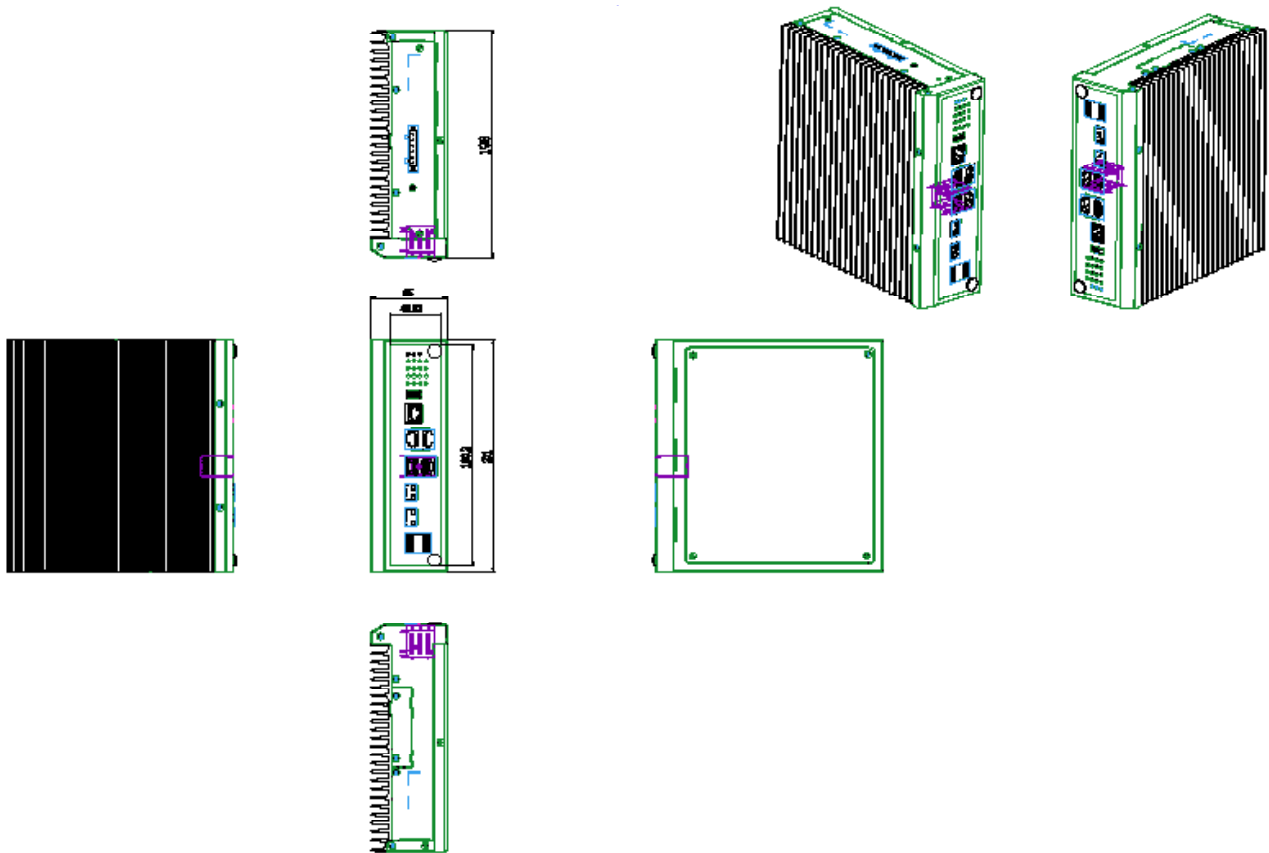
Certification

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

■ Product I/O View



■ Dimensions (W x D x H): 65 x 196 x 201mm



ICS-P570

■ Ordering Information

ICS-P570A

AMD V1404I support 2x DRAM channels + 6x GbE RJ45 with 1 pair bypass, 1x M.2 for SATA Storage, 1x M.2 for LTE, 1x USB 3.0, 2x DI & 2x DO via one 4x2(8P) terminal block, 1x RJ45 console, 1x internal SD card reader, 2x DC input via one 6P terminal block

ICS-P570B

AMD V1404I support 2x DRAM channels + 4x GbE RJ45 with 1 pair bypass, 2x GbE SFP, 1x M.2 for SATA Storage, 1x M.2 for LTE, 1x USB 3.0, 2x DI & 2x DO via one 4x2(8P) terminal block, 1x RJ45 console, 1x internal SD card reader, 2x DC input via one 6P terminal block

V.1-2025.4.17

Lanner

© Lanner Electronics Inc. All rights reserved.

All product specifications are subject to change without notice.

contact@lannerinc.com | www.lannerinc.com