

ICS-I370

Industrial Grade Cyber Security Appliance with Intel® Atom™ E3900 Processor



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

■ Features

- Industrial Grade Cyber Security Platform
- Intel® Atom™ x7-E3950/x5-E3940 (Apollo Lake)
- 8x, 6x or 4x GbE RJ45 ports with 1 or 2 pairs Bypass, SKU C,D,F with 2x GbE SFP
- 2x USB 3.0, 1x DB9 console, 2x DIO, 64GB eMMC onboard
- 1x M.2 B-Key for LTE/5G sub6, 1x M.2 E-Key for WiFi
- Supports UL, C1D2 Compliant (by SKU)
- Onboard TPM 2.0

■ Specifications

Processor System

CPU	Intel® Atom™ x7-E3950 / x5-E3940
Frequency	1.60 GHz
Core Number	4
BIOS	AMI SPI Flash BIOS
Chipset	N/A

Memory

Technology	DDR3L, non ECC
Max. Capacity	8 GB
Socket	1x SODIMM

Graphic

Controller	Intel HD Graphics 500
Display	1x DP

Ethernet

Controller	LAN3 & LAN4: Intel i210IS/IT/AT LAN1 & LAN2: Intel i210IT /AT
Speed	10/100/1000 Mbps
Interface	8x, 6x or 4x GbE RJ45 ports with 1 or 2 pairs Bypass, SKU C,D,F with 2x GbE SFP
LAN Bypass	1 or 2 pairs

Storage

Storage Interface	Onboard eMMC 64GB 1x mSATA 1x SATA for 2.5" SSD/HDD or m-SATA by connecting to m-SATA board (design reserved)
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HDD Support	1x 2.5" storage Drive (design reserved)
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I/O

Serial Port	1x DB9 Console
USB	2x USB 3.0 type A
Reset Button	Default H/W reset, selectable by jumper to SW reset
Power Control	6 pin terminal block for power on/off control
LED	HDD, Power, LTE Status, LTE Signal, DI/DO, LAN TX/RX

Expansion

M.2	1x M.2 B-Key for LTE/5G sub6 with dual SIM 1x M.2 E-Key for WiFi
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Watchdog Timer

Watchdog timer 256 level time interval system reset, software programmable

Power

Power Supply Voltage	Dual DC input from 12~36V
Connector	1x 6-pin terminal block for dual DC input from 12~36V
Dual power inputs	Yes
Power Consumption (Idle)	TBD
Power Consumption (Full Load)	TBD

Environment

Operating Temperature	-40°C ~ 70°C with LTE
Non-Operating Temperature	-40°C ~ 70°C
Humidity	Operating Relative Humidity: 10~90% Non-Operating Humidity: 5~95%

Mechanical

Dimension (W x H x D)	160 x 156.5 x 81 mm
System Cooling	Fanless
Construction	Aluminum + SGCC
Weight	2 kg
Mounting	DIN rail or Wall mount

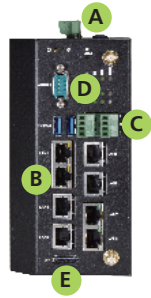
Driver Support

Microsoft Windows	Win 10 IoT
Linux	Kernal 5.x.x.

Certification

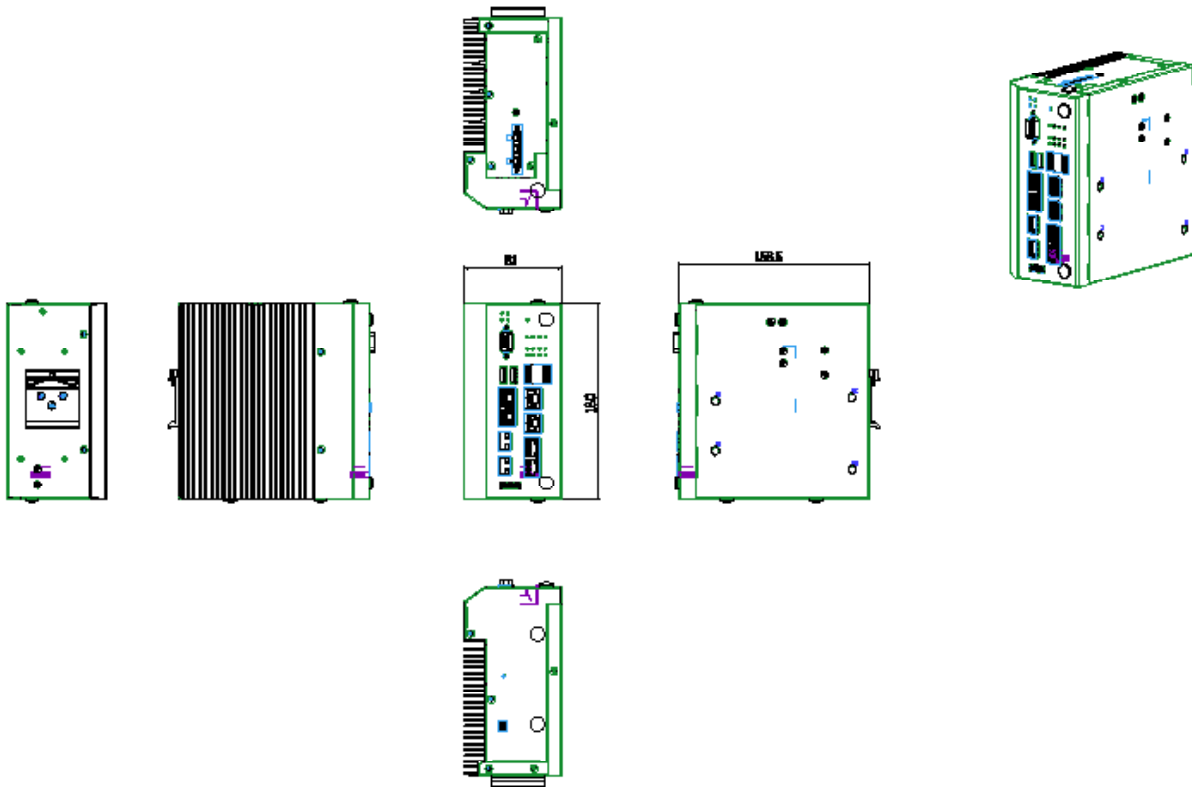
EMC	CE/FCC Class A
Safety	UL, C1D2 compliant (by SKU)

■ Product I/O View



- | | |
|-------------------|-------------------------|
| A D-in | D DB9 Console |
| B GbE RJ45 | E Display Port |
| C DIO | F DIN rail mount |

■ Dimensions (WxHxD): 160 x 156.5 x 81 mm



■ Ordering Information

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| ICS-I370A | Industrial grade Cyber Security Platform with Intel® Atom™ E3950, 8x RJ45 w/ 1 pair bypass |
| ICS-I370B | Industrial grade Cyber Security Platform with Intel® Atom™ E3950, 8x RJ45 w/ 2 pair bypass |
| ICS-I370C | Industrial grade Cyber Security Platform with Intel® Atom™ E3950, 6x RJ45 + 2x SFP w/ 1 pair bypass |
| ICS-I370D | Industrial grade Cyber Security Platform with Intel® Atom™ E3950, 6x RJ45 + 2x SFP w/ 2 pair bypass, supports C1D2 compliant |
| ICS-I370E | Industrial grade Cyber Security Platform with Intel® Atom™ E3940, 6x RJ45 w/ 1 pair bypass |
| ICS-I370F | Industrial grade Cyber Security Platform with Intel® Atom™ E3940, 4x RJ45 + 2x SFP w/ 1 pair bypass |

V.1-2025.06.12

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