

- Intel® Celeron® Processor J1900
- Intel® Core™ 10th Processor
- Intel® Celeron® Processor J6412
- Intel® Core™ 12th Processor



## ► Introduction

The EPC-S19X2A series industrial PC showcases a fanless embedded design powered by CESIPC's proprietary LEGO MODE technology. It offers versatile configuration options, equipped with onboard Intel® Celeron or advanced 10th/12th Gen Core™ i3/i5/i7 processors, delivering superior performance. Engineered for reliability, the EPC-S19X2A ensures high functionality and meets rigorous protection standards, making it an optimal solution for mission-critical industrial applications.

- ★ Multi-platform, Multi-tier CPU options
- ★ Board-to-board Design for Stable Performance

- ★ LEGO MODE with Customizable Function Cards
- ★ i-Door Technology for Efficient, Tailored Solutions

## ► Specifications

### System Core

|           |               |               |                        |           |           |              |          |          |
|-----------|---------------|---------------|------------------------|-----------|-----------|--------------|----------|----------|
| CPU       | Celeron J1900 | Celeron J6412 | i3-10110U              | i5-10210U | i7-10510U | i3-1215U     | i5-1235U | i7-1250U |
| Cores     | 4             | 4             | 2                      | 4         | 4         | 6            | 10       | 10       |
| Threads   | 4             | 4             | 4                      | 8         | 8         | 8            | 12       | 12       |
| Frequency | 2.0-2.4       | 2.0-2.6       | 2.1-4.1                | 1.6-4.2   | 1.8-4.9   | 1.2-4.4      | 1.3-4.4  | 1.1-4.7  |
| Cache     | 2MB           | 1.5MB         | 4MB                    | 6MB       | 8MB       | 10MB         | 12MB     | 12MB     |
| TDP       | 10W           | 10W           | 15W                    | 15W       | 15W       | 15W          | 15W      | 9W       |
| Graphics  | HD            | UHD           | UHD                    | UHD       | UHD       | UHD Graphics | Iris Xe  | Iris Xe  |
| Memory    | 4-8GB DDR3L   | 4-16GB DDR4   | 4-32GB DDR4            |           |           | 8-32GB DDR5  |          |          |
| Storage   | 1 x mSATA SSD |               | 1 x mSATA/ 1 x M.2 SSD |           |           | 2 x M.2 SSD  |          |          |

### Power Supply

|              |  |
|--------------|--|
| DC Input     | 1 × 3-pin Pluggable Terminal Block for 12V DC<br>9-36V DC Optional |
| Power Button | 1x ATX Power On/Off Button   |
| Booting      | 1x AT/ATX Mode Switch (Internal settings)                          |

### Wireless Communication

|                  |  |
|------------------|--|
| Wi-Fi            | Intel N6235 300Mbps, 802.11a/b/g/n,<br>2.4G / 5G |
| Wireless Network | 4G LTE Full Netcom Module                        |

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## I / O Ports

| CPU             | Celeron J1900  | Celeron J6412  | I3-10110U      | I5-10210U      | I7-10510U      | i3-1215U       | i5-1235U       | i7-1250U       |
|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| USB 2.0/ Type A | 5              | 4              | 2              | 2              | 2              | 2              | 2              | 2              |
| USB 3.0/ Type A | 1              | 2              | 4              | 4              | 4              | 4              | 4              | 4              |
| RS232/ DB9      | 4              | 4              | 4              | 4              | 4              | 4              | 4              | 4              |
| RS485/ DB9      | 2              | 2              | 2              | 2              | 2              | 2              | 2              | 2              |
| VGA             | 1              | 1              | 1              | 1              | 1              | 1              | 1              | 1              |
| HDMI            | 1              | 1              | 1              | 1              | 1              | 1              | 1              | 1              |
| Ethernet        | 2 x Intel I210 | 2 x Intel I210 | 2 x Intel I210 | 2 x Intel I210 | 2 x Intel I210 | 2 x Intel I210 | 2 x Intel I210 | 2 x Intel I210 |
| Audio           | 3.5mm TRRS     | 3.5mm TRRS     | 3.5mm TRRS     | 3.5mm TRRS     | 3.5mm TRRS     | 3.5mm TRRS     | 3.5mm TRRS     | 3.5mm TRRS     |

## Display

|                         |                            |
|-------------------------|----------------------------|
| LCD Size                | 19 inch Panel Size         |
| Resolution              | 1280 x 1024 / 4:3          |
| Brightness (cd/m2)      | 300                        |
| Contrast Ratio          | 500 : 1                    |
| Backlight LED Life Time | 50,000 hrs (LED Backlight) |

## Touch Panel

|                  |   |
|------------------|---|
| Touchscreen Type | Projected Capacitive Touch<br>Resistive 5-wire (Optional) |
|------------------|---|

## Mechanical

|                         |  |
|-------------------------|--|
| Dimension               | 443.0(W)×368.0(D)×75.1(H)mm                |
| Cutout Size             | 411.9×342.9mm                              |
| Weight                  | KG N.W.                                    |
| Material                | 6063 High-Strength Aluminum Alloy          |
| Mechanical Construction | Aluminum Extrusion + Sheet Metal Structure |
| Mount                   | Wall Mount / VESA Mount                    |
| Clear CMOS Switch       | 1x Clear CMOS Switch                       |

## Environmental

|                       |   |
|-----------------------|---|
| Protection            | Front Panel IP65 Compliant                    |
| Operating Temperature | 0~50°C (-40~70°C Optional)                    |
| Storage Temperature   | -10~60°C                                      |
| Relative Humidity     | 10%~90% , Non-condensing                      |
| EMC                   | CE, FCC<br>(According to EN 55032 & EN 55035) |
| Factory               | EN IEC 61000-3-2                              |
| ODM                   | ISO9001: 2015                                 |
| MTBF                  | BIOS / Boot on LOGO / OEM<br>60,000 Hours     |

## OS

|         |  |
|---------|--|
| Windows | Windows 10 / Windows 11<br>Note: Celeron J1900 can support Windows 7 |
| Linux   | Ubuntu 16.04 / 18.04 / 20.04 / 22.04                                 |

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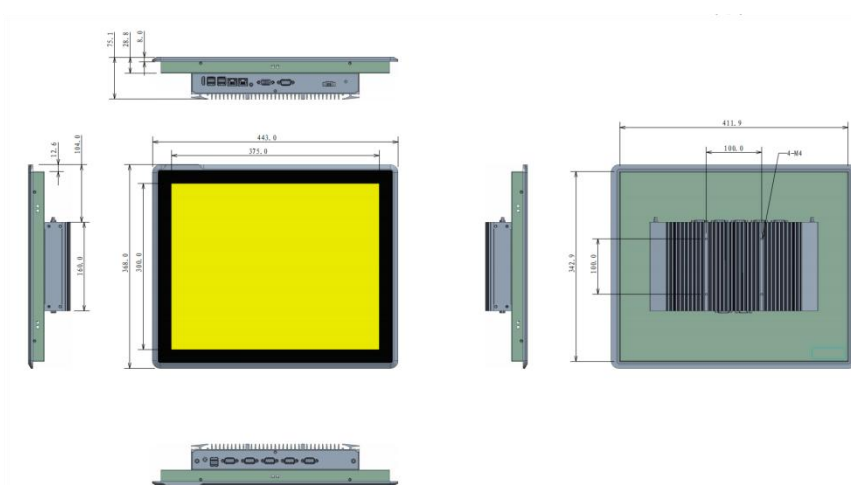
## ▶ Product Images



## ▶ Applications

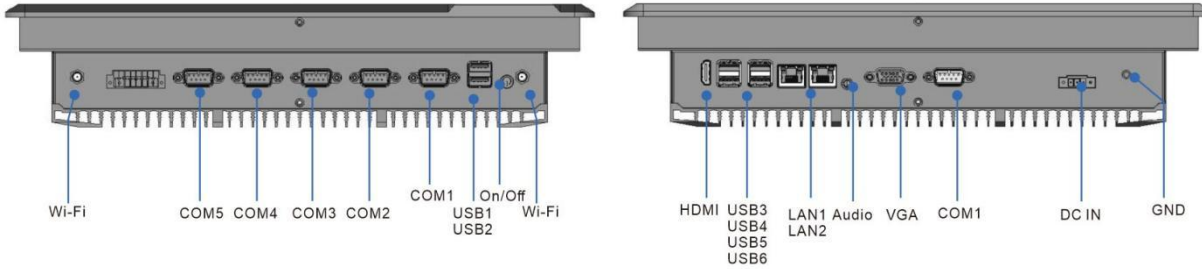


## ▶ Product Size



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## ▶ I/O



## ▶ Product Selection

| NO. | Model      | Product Part Number | Describe Information                      | Standard Memory | Standard Storage |
|-----|------------|---------------------|---|-----------------|------------------|
| 1   | EPC-S1962A |                     | Intel® Celeron® Processor J1900 Processor | 4GB             | SSD 128GB        |
| 2   | EPC-S1972A |                     | Intel® Celeron® Processor J6412 Processor | 8GB             | SSD 256GB        |
| 3   | EPC-S1992A |                     | Intel® Core™ i3-10110U Processor          | 8GB             | SSD 256GB        |
| 4   | EPC-S1992A |                     | Intel® Core™ i5-10210U Processor          | 8GB             | SSD 256GB        |
| 5   | EPC-S1992A |                     | Intel® Core™ i7-10510U Processor          | 8GB             | SSD 256GB        |
| 6   | EPC-S1922A |                     | Intel® Core™ i3-1215U Processor           | 8GB             | SSD 256GB        |
| 7   | EPC-S1922A |                     | Intel® Core™ i5-1235U Processor           | 8GB             | SSD 256GB        |
| 8   | EPC-S1922A |                     | Intel® Core™ i7-1250U Processor           | 8GB             | SSD 256GB        |

Note: CPU model may vary. Contact sales for details