



# Thinvent Industrial PC IPC3

## Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

16GB DDR4 RAM (2 x 8GB)

128GB SSD

No WiFi

Thinux Embedded Linux

SKU: IPC3-I3\_12-8\_8-M128-12\_7-X-THINUX-0



Unleash industrial power with the Thinvent® IPC3: Your silent, rugged workhorse for demanding environments.

### Performance Redefined

Experience uncompromised reliability with the Thinvent® Industrial PC IPC3. Engineered for 24x7 operation, this fanless powerhouse features an Intel® Core™ i3-1215U processor with 6 cores, clocking up to 4.4 GHz and 10 MB cache, delivering exceptional speed for critical industrial and IoT applications. A rapid 512GB SSD and 4GB DDR4 RAM ensure quick boot times and fluid multitasking.

### Thinvent Thinux™ Advantage

**Running on Thinvent® Thinux™ Embedded Linux, a secure and stable operating system 100% designed in India, the IPC3 offers unparalleled versatility**

- Chromium and Mozilla Firefox browsers for web-based operations.
- Advanced remote management with RDP 10 (RemoteFX, H.264/AVC), Putty, SSH, and VNC shadowing for seamless control.
- Browser-based remote management.
- Robust application support for Java, Python, and glibc.

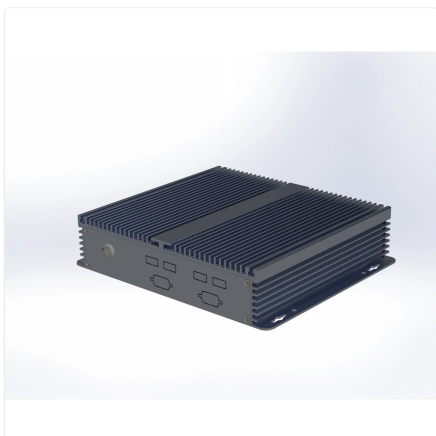
- Productivity tools including LibreOffice and a PDF viewer.
- Multimedia player with MPEG4 support and SIP video/voice over IP.

### Robust Connectivity

Integrate effortlessly with a comprehensive array of ports, including dual display support (1 HDMI, 1 VGA), audio input/output, two USB 3.2 and two USB 2.0 ports, plus four convenient front USB 2.0 ports. A gigabit Ethernet port ensures high-speed, stable network communication for your critical data.

### Industrial Grade Durability

Built for harsh environments, its compact 200x184x52mm anodised silver aluminium housing is tough, fanless, and resistant to wear. Operating reliably from 0°C to 50°C and 20-80% non-condensing humidity, the IPC3 is RoHS and ISO certified, guaranteeing quality and compliance. Power input from 100~275V AC via a 12V 7A adapter ensures stable operation across diverse power grids.



## Specifications

### PROCESSING

|                 |         |
|-----------------|---------|
| Generation      | 12th    |
| Series          | i3      |
| Processor Brand | Intel   |
| Processor Model | 1215U   |
| Cores           | 6       |
| Max Frequency   | 4.4 GHz |
| Cache           | 10 MB   |
| Main Memory     | 16 GB   |
| SSD Storage     | 128 GB  |

### DISPLAY

|      |   |
|------|---|
| HDMI | 1 |
| VGA  | 1 |

### AUDIO

|             |   |
|-------------|---|
| Speaker Out | 1 |
| Mic In      | 1 |

### CONNECTIVITY

|                   |                  |
|-------------------|------------------|
| USB 3.2           | 2                |
| USB 2.0           | 2                |
| Front USB 2.0     | 4                |
| Front Serial Port | 2 DB9 male RS232 |
| RS485 Option      | 1                |

### NETWORKING

|          |           |
|----------|-----------|
| Ethernet | 1000 Mbps |
|----------|-----------|

### POWER

|              |                                              |
|--------------|----------------------------------------------|
| DC Voltage   | 12 Volts                                     |
| DC Current   | 7 Amps                                       |
| Power Input  | 100~275 Volts AC, 50~60 Hz, 1.5 Amps maximum |
| Cable Length | 2 Metre                                      |

### ENVIRONMENTAL

|                       |                              |
|-----------------------|------------------------------|
| Operating Temperature | 0°C ~ 50°C                   |
| Operating Humidity    | 20% ~ 80% RH, non condensing |
| Certifications        | RoHS, ISO                    |

### PHYSICAL

|                      |                         |
|----------------------|-------------------------|
| Form Factor          | Industrial PC           |
| Thermal Design       | Fanless Passive Cooling |
| Dimensions           | 200mm × 184mm × 52mm    |
| Packing Dimensions   | 340mm × 235mm × 105mm   |
| Housing Material     | Aluminium               |
| Housing Finish       | Anodised                |
| Housing Colour       | Silver                  |
| Net and Gross Weight | 2.55kg, 2.97kg          |

### OPERATING SYSTEM

|                  |                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating System | Thinvent® Thinux™ Embedded Linux                                                                                                                                                                                                                                                                                                                                  |
| OS Features      | <p>Chromium and Mozilla Firefox browsers.</p> <p>RDP 10 (RemoteFX, H.264/AVC), Putty and SSH for remote display.</p> <p>Browser based remote management. VNC shadowing.</p> <p>Java, Python and glibc based location application support.</p> <p>LibreOffice and PDF viewer.</p> <p>Multimedia player with MPEG4 support.</p> <p>SIP video and voice over IP.</p> |

## Ordering Information

| PRODUCT CODE                                              |                                  |                                  |                               |                |
|-----------------------------------------------------------|----------------------------------|----------------------------------|-------------------------------|----------------|
| IPC3-i3_12-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories] |                                  |                                  |                               |                |
| RAM                                                       | 4 = 4GB DDR4                     | 8 = 8GB DDR4                     | 16 = 16GB DDR4                | 32 = 32GB DDR4 |
|                                                           | 32_32 = 64GB DDR4 RAM (2 x 32GB) | 16_16 = 32GB DDR4 RAM (2 x 16GB) | 8_8 = 16GB DDR4 RAM (2 x 8GB) |                |
| SSD                                                       | m128 = 128GB                     |                                  | m256 = 256GB                  |                |
|                                                           | m512 = 512GB                     |                                  | m1024 = 1TB                   |                |
| Wireless                                                  | m = Dual Band WiFi               |                                  | X = No WiFi                   |                |
| OS                                                        | DOS = DOS                        |                                  | W_OS = Without OS             |                |
|                                                           | 11V = Windows 11 IoT Value       |                                  | 11P = Windows 11 Pro          |                |
|                                                           | Thinux = Thinux™ Embedded Linux  |                                  | U = Ubuntu Linux              |                |
| Accessories                                               | 0 = None                         |                                  | 4S = Quad DB9 Serial          |                |

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