



# Thinvent Industrial PC IPC3

## Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

## Dual LAN

## 16GB DDR4 RAM (2 x 8GB)

## 128GB SSD

## Dual Band WiFi

## Thinux Embedded Linux

SKU: IPC3-I3\_12L-8\_8-M128-12\_5-M-THINUX-0



Built for the relentless rhythm of industry: the rugged Thinvent® IPC3.

### Uncompromising reliability for demanding environments

This fanless industrial PC is engineered to thrive where others fail. Its robust, all-aluminium chassis and passive cooling system ensure silent, dust-resistant 24/7 operation, from the factory floor to the remote IoT edge. No moving parts means nothing to break down.

### Seamless connectivity drives modern operations

Stay effortlessly connected with dual LAN ports and dual-band WiFi, enabling robust communication between machinery, sensors, and your control centre. It's the steadfast hub for your networked ecosystem, built to handle the data flow of modern automation.

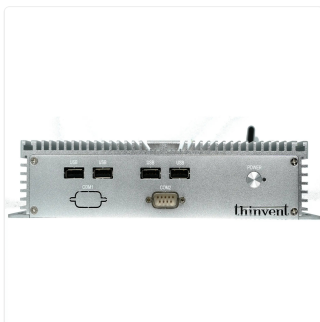
### Simplified management, maximum uptime

Pre-loaded with Thinux™ Embedded Linux, it offers a stable, secure platform for your critical applications. With browser-based remote management and support for essential industrial protocols, you can monitor, update, and troubleshoot from anywhere, minimising downtime and maximising productivity.

### A powerhouse for intelligent applications

Harness efficient performance to run complex monitoring systems, digital signage, machine vision, and process control. Its capable processing handles everything from data acquisition to local analytics, giving you real-time insight and control.

Proudly conceived and crafted in India, the IPC3 is the durable, intelligent core for your most vital industrial and IoT solutions. It's not just a computer; it's a dependable partner built for the long haul.



# Thinvent Industrial PC IPC3



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

### NETWORKING

|                     |                               |
|---------------------|-------------------------------|
| Ethernet            | 1000 Mbps                     |
| Ethernet Ports      | 2                             |
| Wireless Networking | Wi-Fi 5 (802.11ac), dual band |

### POWER

|              |                                              |
|--------------|----------------------------------------------|
| DC Voltage   | 12 Volts                                     |
| DC Current   | 5 Amps                                       |
| Power Input  | 100~240 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 | 2.45kg, 2.87kg          |

### 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_12l-[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 |
|                                                            | Thinix = Thinix™ Embedded Linux  | U = Ubuntu Linux                 |                               |                      |
| Accessories                                                | 0 = None                         | 4S = Quad DB9 Serial             |                               |                      |

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