



## Thinvent Industrial PC IPC1

**AMD Ryzen 5 7430U processor**

6 core, up to 4.3 GHz, 16 MB cache

**8GB DDR4 RAM**

**2TB SSD**

**Dual Band WiFi**

**Thinux Embedded Linux**

**Thinvent Keyboard and Mouse set**

SKU: IPC1-R5\_7-8-M2048-19\_3-M-  
THINUX-KM



Thinvent® IPC1: Rugged Reliability, Silent Performance, Engineered for Industry.



## Specifications

### PROCESSING

|                 |             |
|-----------------|-------------|
| Generation      | 7000 Series |
| Series          | Ryzen 5     |
| Processor Brand | AMD         |
| Processor Model | 7430U       |
| Cores           | 6           |
| Max Frequency   | 4.3 GHz     |
| Cache           | 16 MB       |
| Main Memory     | 8 GB        |
| SSD Storage     | 2048 GB     |

### DISPLAY

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

### AUDIO

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

### CONNECTIVITY

|               |   |
|---------------|---|
| USB 3.2 Gen 1 | 2 |
| USB 2.0       | 2 |
| Front USB 2.0 | 4 |

### NETWORKING

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

### POWER

|              |                                              |
|--------------|----------------------------------------------|
| DC Voltage   | 19 Volts                                     |
| DC Current   | 3 Amps                                       |
| Power Input  | 100~240 Volts AC, 50~60 Hz, 1.5 Amps maximum |
| Cable Length | 2 Metre                                      |

### ENVIRONMENTAL

|                       |                              |
|-----------------------|------------------------------|
| Operating Temperature | 0°C ~ 40°C                   |
| Operating Humidity    | 20% ~ 80% RH, non condensing |
| Certifications        | BIS, RoHS, ISO               |

### PHYSICAL

|                      |                                    |
|----------------------|------------------------------------|
| Form Factor          | Industrial PC                      |
| Thermal Design       | Fanless Passive Cooling            |
| Dimensions           | 199.5mm × 181.5mm × 34.5mm         |
| Packing Dimensions   | 340mm × 235mm × 105mm              |
| Housing Material     | Aluminium                          |
| Housing Finish       | Powder Coated Base, Anodised Cover |
| Housing Colour       | Black                              |
| Net and Gross Weight | 1.46kg, 1.88kg                     |

### ACCESSORIES

|                    |   |
|--------------------|---|
| Keyboard and Mouse | 1 |
| VESA Mount         | 1 |

### 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

IPC1-r5\_7-[RAM]-[SSD]-19\_3-[Wireless]-[OS]-[Accessories]

|             |                                                                                                                                 |                                                                     |                                                                                                         |                           |
|-------------|---------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------------------------|
| RAM         | <div>4 = 4GB DDR4</div> <div>32_32 = 64GB DDR4 RAM (2 x 32GB)</div>                                                             | <div>8 = 8GB DDR4</div> <div>16_16 = 32GB DDR4 RAM (2 x 16GB)</div> | <div>16 = 16GB DDR4</div> <div>8_8 = 16GB DDR4 RAM (2 x 8GB)</div>                                      | <div>32 = 32GB DDR4</div> |
| SSD         | <div>m128 = 128GB</div> <div>m512 = 512GB</div> <div>m2048 = 2TB</div>                                                          |                                                                     | <div>m256 = 256GB</div> <div>m1024 = 1TB</div>                                                          |                           |
| Wireless    | <div>m = Dual Band WiFi</div>                                                                                                   |                                                                     | <div>X = No WiFi</div>                                                                                  |                           |
| OS          | <div>DOS = DOS</div> <div>11V = Windows 11 IoT Value</div> <div>110 = Windows 11 Professional</div> <div>U = Ubuntu Linux</div> |                                                                     | <div>W_OS = Without OS</div> <div>11P = Windows 11 Pro</div> <div>Thinux = Thinux™ Embedded Linux</div> |                           |
| Accessories | <div>0 = None</div> <div>MK = Mechanical Keyboard</div>                                                                         |                                                                     | <div>KM = Keyboard and Mouse set</div> <div>Mo = Wired Optical Scroll Mouse</div>                       |                           |

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