

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

32GB DDR4 RAM (2 x 16GB)

128GB SSD

Dual Band WiFi

Ubuntu Linux



SKU: IPC3-I3_12-16_16-M128-12_7-M-U-0

Unyielding Power for Unforgiving Environments

The Thinvent® Industrial PC IPC3 is engineered for relentless performance where reliability is paramount. This 100% designed in India fanless system thrives in harsh industrial and IoT landscapes, guaranteeing 24x7 operation without compromise.

Unmatched Performance and Reliability

- Processor Power: Driven by an Intel® Core™ i3-1215U processor with 6 cores, clocking up to 4.4 GHz and featuring a 10 MB cache for rapid data processing.
- Memory and Storage: Experience lightning-fast multitasking and ample space with 32GB DDR4 RAM and a responsive 128GB SSD.
- Operating System: Pre-installed with Ubuntu Linux 24.04 LTS, providing a stable, secure, and open-source foundation for your critical applications.

Built for Extremes

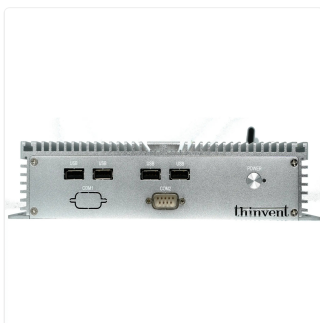
- Rugged Design: Housed in a compact (200mm × 184mm × 52mm) anodised silver aluminium casing, it's built to resist corrosion and withstand demanding conditions.

- Fanless Operation: Ensures silent performance and reduces maintenance in dusty or challenging environments, operating reliably from 0°C to 50°C at 20% ~ 80% RH.
- Quality Assured: Certified with RoHS and ISO standards, affirming its commitment to quality and environmental responsibility.

Seamless Connectivity

- Comprehensive I/O: Connect effortlessly with 1x HDMI, 1x VGA, 2x USB 3.2, 6x USB 2.0 (4 conveniently located on the front), Speaker Out, and Mic In.
- High-Speed Networking: Features Gigabit Ethernet and dual-band Wi-Fi 5 (802.11ac) for robust and flexible network integration.
- Adaptable Power: Includes a 12V 7A adapter with a 2-metre cable, accepting a wide 100~275 Volts AC input for global compatibility.

Empower your industrial and IoT solutions with the Thinvent® IPC3 – where cutting-edge performance meets unyielding durability.



Specifications

PROCESSING

Generation	12th
Series	i3
Processor Brand	Intel
Processor Model	1215U
Cores	6
Max Frequency	4.4 GHz
Cache	10 MB
Main Memory	32 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
Wireless Networking	Wi-Fi 5 (802.11ac), dual band

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	Ubuntu Linux 24.04 LTS
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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	

www.thinvent.in

sales@thinvent.in

+91-11-430-77467

 +91-99903-44251

R&D and Manufacturing

#11 Sports Complex

Salvador Do Mundo

North Goa - 403101, India

Sales

UGF-10-A Omaxe Gurgaon Mall

Sector 49, Sohna Road

Gurgaon - 122018, India

