



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)

512GB SSD

No WiFi

DOS

Quad DB9 Serial

SKU: IPC3-I3_12-8_8-M512-12_7-X-DOS-4S



Unleash Unyielding Performance in the Toughest Environments

Introducing the Thinvent® Industrial PC IPC3, an embodiment of robust engineering designed for the most demanding industrial and IoT applications. This fanless, rugged workhorse delivers uninterrupted 24x7 operation, even in harsh conditions. Proudly 100% designed in India, its anodised silver aluminium housing ensures exceptional durability and efficient heat dissipation.

Powerful Processing and Memory

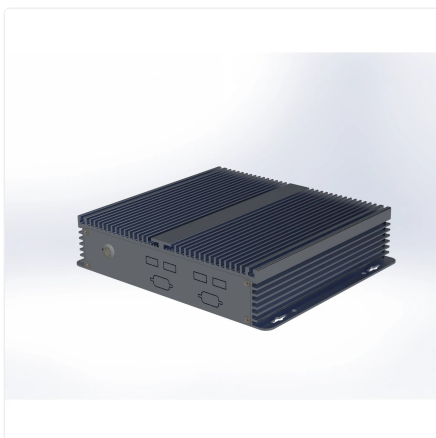
At its core, the IPC3 features an Intel® Core™ i3-1215U processor with 6 cores, clocking up to 4.4 GHz and supported by a 10 MB cache. Paired with 16GB of high-speed DDR4 RAM and a rapid 256GB SSD, this industrial PC offers agile performance for critical tasks, quick data access, and seamless multitasking.

Unrivalled Connectivity

The IPC3 shines with extensive industrial connectivity, including six DB9 male RS232 serial ports, essential for legacy equipment and control systems. It also provides modern versatility with two USB 3.2 ports, six USB 2.0 ports (four conveniently located at the front), HDMI, VGA, and Gigabit Ethernet for reliable networking.

Built for Extremes

Engineered for a wide operating temperature range of 0°C to 50°C and designed with a completely fanless architecture, the IPC3 minimizes maintenance and maximizes uptime by eliminating dust ingress and moving parts. Its compact 200mm x 184mm x 52mm footprint allows for flexible deployment, powered by a 12V 7A adapter with wide AC input. Shipped with FreeDOS, it provides a clean slate for your specialised industrial software. RoHS and ISO certified, it's the reliable choice for your mission-critical operations.



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	512 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
Rear Serial Port	4 DB9 male RS232
RS485 Option	1

NETWORKING

Ethernet	1000 Mbps
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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	FreeDOS
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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	
	Thinix = Thinix™ Embedded Linux		U = Ubuntu Linux	
Accessories	0 = None		4S = Quad DB9 Serial	

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