Thinvent Neo H Mini PC

Intel Core i5-1235U processor

10 core, up to 4.4 GHz, 12 MB cache

Dual LAN

6 COM

64GB DDR4 RAM (2 x 32GB)

128GB SSD

No WiFi

DOS

Thinvent Keyboard and Mouse set

SKU: H-I5_12L6-32_32-M128-12_7-X-DOS-KM

Power through your industrial workload with the Thinvent Neo H Mini PC.

Built for serious industrial control and demanding applications, the Neo H is the high performance version of our bestselling Neo model. At its heart lies an Intel Core i5-1235U processor with 10 cores, delivering the responsiveness and multitasking muscle your operation needs to keep production moving.

Why choose the Neo H

- Industrial workhorse performance. The 12th generation Intel Core i5 processor handles heavy control tasks, data logging and multi-application workflows without slowing you down.
- Connect everything you need. Dual gigabit Ethernet ports, six COM ports and an RS485 option make it simple to link PLCs, sensors, legacy machinery and shop floor equipment in one dependable hub.
- Designed and made in India. Every unit is engineered and built locally, backed by BIS, RoHS and ISO certified quality processes.
- Solid steel build. The powder coated steel housing stands up to the realities of a factory floor, protecting your investment in tough environments.
- Ready to deploy. Comes with a Thinvent keyboard and mouse set, so you can get up and running straight out of the box.
- Flexible operating range. With an operating temperature of 0°C to 40°C and humidity tolerance of 20% to 80% RH, it fits comfortably into most industrial settings.

  Whether you are upgrading an existing control setup or building a new one, the Neo H gives you the processing power and connectivity to do it right.

Thinvent Neo H Mini PC

Specifications

PROCESSING

Generation	12th
Series	i5
Processor Brand	Intel
Processor Model	1235U
Cores	10
Max Frequency	4.4 GHz
Cache	12 MB
Main Memory	64 GB
SSD Storage	128 GB

DISPLAY

HDMI	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.2	2
RS485 Option	1

NETWORKING

Ethernet	1000 Mbps
Ethernet Ports	2

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

PHYSICAL

Form Factor	Mini PC
Dimensions	181.5mm × 199.5mm × 72mm
Packing Dimensions	340mm × 235mm × 105mm
Housing Material	Steel base, aluminium cover
Housing Finish	Powder Coated
Housing Colour	Black
Net and Gross Weight	2.34kg, 2.76kg

ACCESSORIES

Keyboard and Mouse	1

OPERATING SYSTEM

Operating System	FreeDOS

Thinvent Neo H Mini PC

Ordering Information

PRODUCT CODE

`H-i5_12l6-[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	
	m2048 = 2TB		**S32** = 32GB MLC	
	S128 = 128GB		**S256** = 256GB	
	h1024 = 1TB HDD			
Wireless	**m** = Dual Band WiFi		**X** = No WiFi	
OS	**DOS** = DOS		**W_OS** = Without OS	
	11V = Windows 11 IoT Value		**11P** = Windows 11 Pro	
	11O = Windows 11 Professional		**Thinux** = Thinux™ Embedded Linux	
	U = Ubuntu Linux			
Accessories	**0** = None		**KM** = Keyboard and Mouse set	
	1S = DB9 Serial		**MK** = Mechanical Keyboard	
	Mo = Wired Optical Scroll Mouse			

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