

## IHVS-C24-N1P



The Hawc IHVS-C24-N1P is a Fanless Box-PC suitable for in-vehicle applications, as industrial process controller or GPU rendering appliance ... No moving parts are used in the IVHS-C24 series\* which reflects in no problems with defective fans or any other sensitive parts and extended temperature range support. The IHVS-C24-N1P can support multiple video streams over 2 DisplayPort and 1 VGA interface and the PCI-express x16 slot allows to add single slot graphics cards or others interfaces for extra processing or communication interfaces. The IHVS-C24-N1P comes with wall mount accessories and rack-mount, VESA mount or DIN-rail mount accessories are optionally available

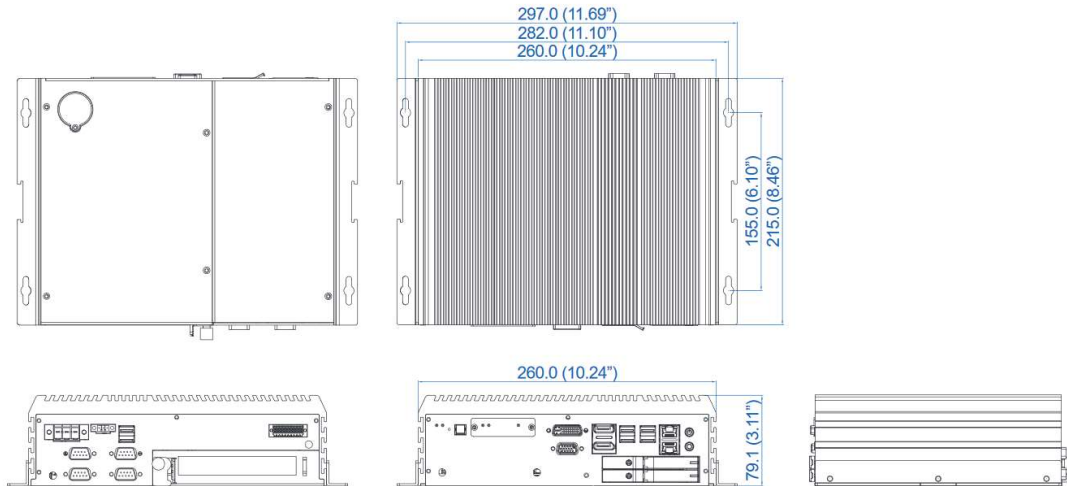
Two internal M.2 SATA/NVMe sockets, 2 internal mSATA sockets or 1 external CFast slot can be used for OS installation while two 2.5" SATA SSD trays allow to add local storage or install operating systems in RAID1. The same expansion slots allow to add a variety of communication modules like Wifi, LTE, GPS, Lora etc... with multiple antenna outputs.

### Specifications

Model name	IHVS-C24-N1P
Chassis Model	Fanless Industrial grade Box-PC
Mounting Options	Wall-mount/DIN-Rail/Rack-mount/VESA mount
Processor	INTEL® 8 <sup>th</sup> and 9 <sup>th</sup> Gen Core CPU's + Xeon E-2xxx series
Chipset	Intel® C246
Memory	2 x DDR4 2666 MHz DRAM sockets
Graphics	Intel® UHD Graphics 630
Video interfaces	2 x DP (4K) + DVI-D + VGA
Network interface	2 x 1Gb LAN (Wifi and LTE/GPS option with multiple antenna's)
Audio interfaces	1 x Mic + 1 x Line-out
Storage options	2 x mSATA, 2 x 2.5" SATA bays with RAID0/1 support, 2 x M.2, 1 x CFast
Communication interfaces	Front: 6 x USB 3.1 Internal: 1 x USB 2.0 Rear: 2 x USB 3.1 + 4 x RS232/422/485 + 16 x DIO
Expansion	1 x PCI Express x16 (200 x 107mm), 1 x M.2 2230, 2 x M.2 2280, 2 x mSATA
Operating system	Windows 10 Enterprise/ Windows Server 2016/19, Linux
Power input/supply	6V to 36V DC, single supply with 16 mode ignition control, remote switch, 80V1ms Surge protection
Management	TPM, Watchdog timer, WoL, PXE, HW monitoring: Temperature, Voltages, Auto CPU throttling
Power Consumption	20W(av)/ 40W(max) with i3-8100T
Chassis dimensions	260 x 215 x 79 mm
Weight	4.5 Kg (minimal configuration)
Operating temperature	-40°C – 75°C (with 35W TDP CPU)
Certificates	CE, FCC, EN50155, EN50121-3-2, IEC 600068-2-64, IEC 600068-2-27

## Dimensions

Unit : mm/ inch



## In the box

1 x IHVS-C24-N1P

2 x Wall mount brackets

Power and IO-connectors

1 x Power cord

## PN's and options

IHVS-C24-N1P-3T08	Fanless Box-PC with Intel i3-8100T, 8GB RAM, 256GB M.2, W10, 2 x DP, DVI, VGA, 2 x LAN, 4 x COM, 16DIO
IHVS-C24-N1P-5T16	Fanless Box-PC with Intel i5-9500T, 16GB RAM, 256GB M.2, W10, 2 x DP, DVI, VGA, 2 x LAN, 4 x COM, 16DIO
IHVS-C24-N1P-7T16	Fanless Box-PC with Intel i7-9700T, 16GB RAM, 256GB M.2, W10, 2 x DP, DVI, VGA, 2 x LAN, 4 x COM, 16DIO
IHOP-LTEGPS-M1	LTE with GPS module - !!!Factory Upgrade only!!!
IHOP-Wifi-M1	Wifi module with cabling and antenna - !!!Factory Upgrade only!!!
IHOP-C24-1P-VSM	Vesa mount kit
IHOP-C24-1P-DRK	Din-rail kit
IHOP-C24-1P-RKM	2U 19" rackmount kit