



### Kindermann OPS-PCs

# OPS I5-1240P / I5-12450H OPS I7-1260P / I7-12650H

- > Intel 12th Generation Core CPUs (Alder Lake-P)
- > 2x USB Type C, Thunderbolt 4 compliant
- > 8K output via JAE and USB-C
- > 1x HDMI 1.4 IN (available as UVC device)
- > WIFI 802.11ax built-in, supporting Wi-Fi 6E
- > Bluetooth 5.2 / 5.3 built-in
- > Support of TPM 2.0
- > Windows 11 Pro, pre-installed

# Description

## Connections

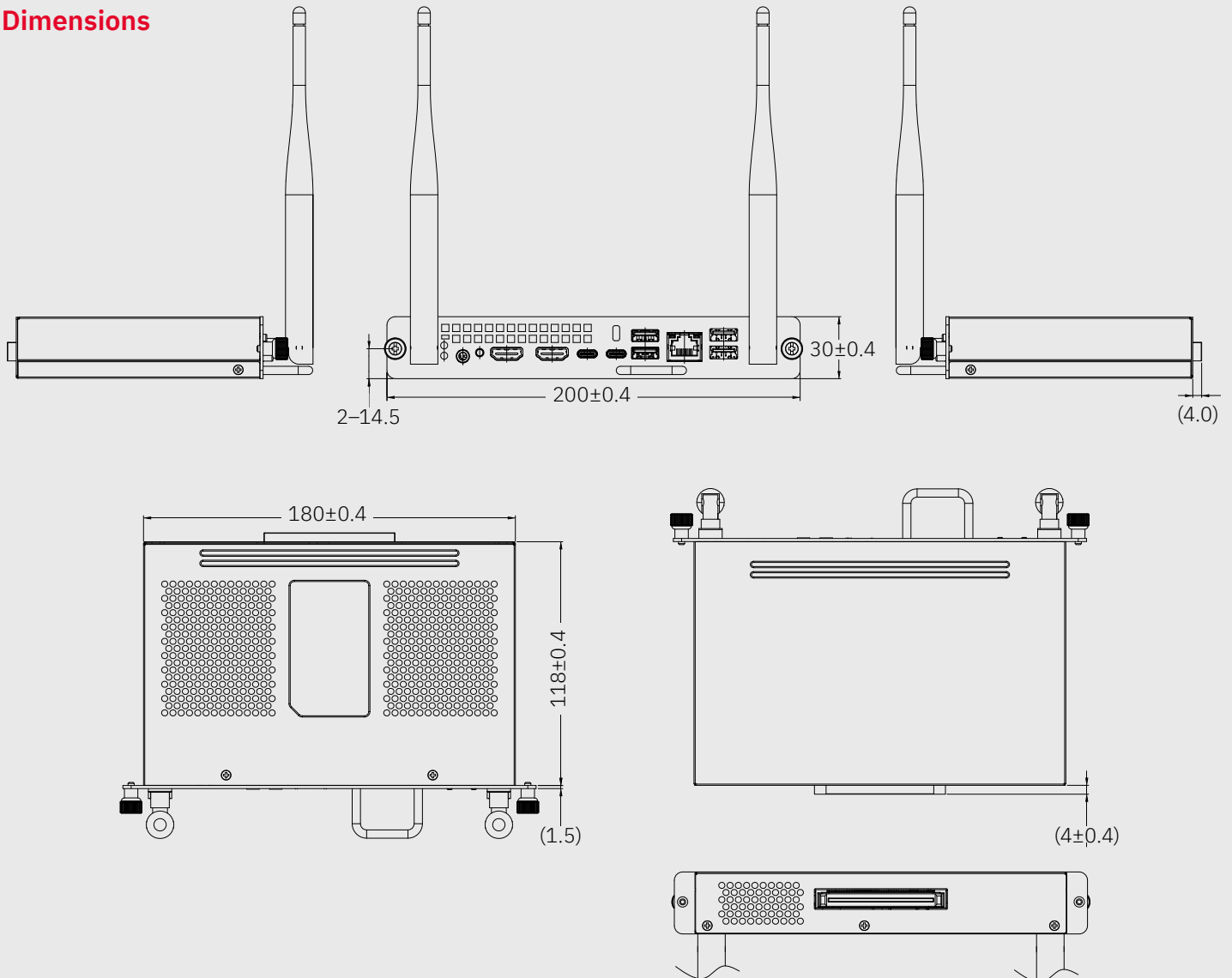


Front



Rear

## Dimensions



# Technical data

	<b>OPS i5-1240P</b>	<b>OPS i5-12450H</b>	<b>OPS i7-1260P</b>	<b>OPS i7-12650H</b>
<b>Ref. No.</b>	<b>3051000060</b>	<b>3051000062</b>	<b>3051000061</b>	<b>3051000063</b>
<b>Processor</b>				
CPU	Intel i5-1240P	Intel i5-12450H	Intel i7-1260P	Intel i7-12650H
Frequency	max. turbo 4.4 GHz		max. turbo 4.7 GHz	
Cores	4 performance and 8 efficiency cores	4 performance and 4 efficiency cores	4 performance and 8 efficiency cores	6 performance and 4 efficiency cores
Processor base power	28 W	45 W	28 W	45 W
<b>RAM</b>				
Size	16 GB	8 GB	16 GB	16 GB
Type	DDR4 3200 MHz			
Socket	2x SO-DIMM			
<b>Graphics</b>				
GPU	Intel Iris Xe Graphics (80 EU)	Intel UHD Graphics	Intel Iris Xe Graphics (96 EU)	Intel UHD Graphics
HDMI OUT (80Pin JAE/HDMI)	4096 x 2160 @ 60 Hz (80pin JAE) / 3840 x 2160 @ 30 Hz (HDMI front)			
DP 1.4 (80Pin JAE)	7680 x 4320 @ 30 Hz	7680 x 4320 @ 60Hz	7680 x 4320 @ 30 Hz	7680 x 4320 @ 60Hz
HDMI IN	4096 x 2160 @ 30 Hz	-	4096 x 2160 @ 30 Hz	-
Thunderbolt 4.0	7680 x 4320 @ 30 Hz			
<b>Network</b>				
Interface	Intel I219LM, 10/100/1000 MBits			
	1x RJ45			
<b>WIFI/Bluetooth</b>				
	Intel (AX211), Triple WIFI 2.4, 5 & 6 GHz, supports 802.11ax, Bluetooth 5.3	Intel (AX201) WIFI 2.4 & 5 GHz, supports 802.11ax, Bluetooth 5.2	Intel (AX211), Triple WIFI 2.4, 5 & 6 GHz, supports 802.11ax, Bluetooth 5.3	Intel (AX201) WIFI 2.4 & 5 GHz, supports 802.11ax, Bluetooth 5.2
<b>I/O</b>				
USB	2x Thunderbolt 4 (type C) 2x USB 3.2 Gen1 (type A) 2x USB 2.0 (type A)			
Audio	Realtek ALC897, 1x 3,5 mm combined mic in / line out			
Buttons	Power, Reset			
LED Indicators	Power, Memory			
<b>Storage</b>				
SSD	256 GB			
<b>Features</b>				
WatchDog Timer	yes			
Auto Power On	yes			
RTC	yes			
Wake on Lan	yes			
<b>Operation System</b>				
Windows 11 Pro	English, pre-installed, no license			
<b>Power</b>				
Type	12V / 19V, 5A			
<b>Mechanical</b>				
Dimensions (WxDxH)	180 x 119 x 30 mm			
Construction	metal			
Color	black			
Weight	about 1,25 kg			
<b>Environment</b>				
Operating Temperature	-5° - 45° C			
Relative Humidity	5 - 95 % (non condensing)			
<b>Certification</b>				
	CE (UKCA)			
<b>Scope of delivery</b>				
	2x Wi-Fi antenna			

All prices are net prices excl. VAT.  
Subject to change in the interest of progress. Illustrations and technical specifications may contain additional options and are not binding for the design. All dimensions are subject to the usual tolerances.



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