

# de next-ORPO

86mm x 55mm Single Board  
with 13th Generation Intel® Core™ i7/i5/i3 Processor

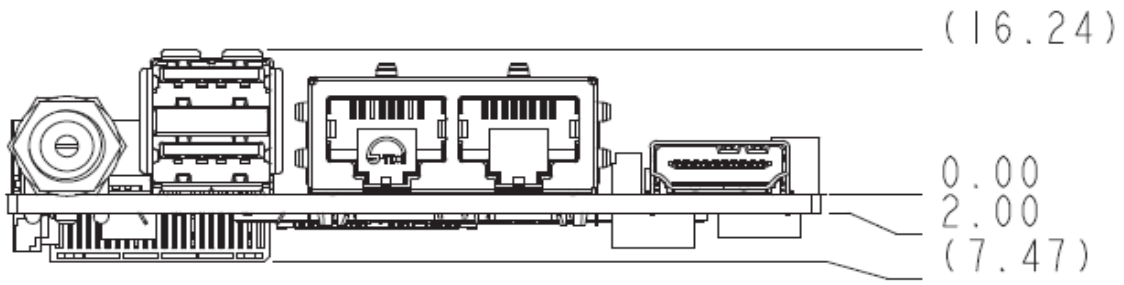


## Features

- 13th Gen. Intel® Core™ Series Processor
- Onboard LPDDR5x up to 16GB
- HDMI 1.4b x 1, eDP x 1
- 2.5GbE RJ45 x 1, GbE RJ45 x 1
- USB 3.2 Gen 2 x 2, USB 2.0 x 4
- M.2 2280 M-Key x 1 (PCIe [x2]), PCIe Gen 3 [x4] via FPC x 1
- DC 12Vin

## Specifications

System		Internal I/O	
<b>Form Factor</b>	86mm x 55mm, Single board computer	<b>USB</b>	USB 2.0 x 4 (Pin Header)
<b>CPU</b>	13th Generation Intel® Core™ Processors: Intel® Core™ i7-1365UE (10C/12T, 1.70 GHz, up to 15W) Intel® Core™ i5-1335UE (10C/12T, 1.30 GHz, up to 15W) Intel® Core™ i3-1315UE (6C/8T, 1.20 GHz, up to 15W)	<b>Serial Port</b>	RS-232/422/285 x 2 (Pin Header)
<b>Chipset</b>	Integrated with Intel® SoC	<b>Video</b>	eDP x 1
<b>Memory</b>	Onboard LPDDR5x, up to 16GB	<b>SATA</b>	SATA 6Gb/s x 1 +5V SATA Power Connector x 1
<b>BIOS</b>	UEFI	<b>DIO/GPIO</b>	8-Bit
<b>Wake on LAN</b>	Yes	<b>SMBus/I2C</b>	Optional
<b>Watchdog Timer</b>	255 Levels	<b>Fan</b>	4 Pin Smart Fan (with Cooler version only)
<b>Security</b>	fTPM	<b>Front Panel</b>	PowerLED, Power Button, Buzzer, Reset Button
<b>RTC Battery</b>	Lithium Battery 3V/240mAh	<b>Expansion</b>	
<b>Dimension</b>	3.74" x 2.76" (95mm x 70mm)	<b>M.2</b>	M.2 2280 M-Key x 1 (PCIe [x2]) PCIe Gen 3 [x4] via FPC x 1
<b>OS Support</b>	Windows 10 (64-bit) Ubuntu 22.04.3 (Kernel 6.2)	<b>Environmental</b>	
<b>Power Requirement</b>		<b>Operating Temperature</b>	32°F ~ 140°F (0°C ~ 60°C)
<b>Power Requirement</b>	+12V	<b>Storage Temperature</b>	-40°F ~ 176°F (-40°C ~ 80°C)
<b>Power Type</b>	AT/ATX (Default : AT mode)	<b>Operating Humidity</b>	0% ~ 90% relative humidity, non-condensing
<b>Connector</b>	DC Jack Connector	<b>MTBF (Hours)</b>	1,679,950
<b>Power Consumption</b>	Intel® Core™ i7-1365UE, LPDDR4x 16GB, 3.18A @12V, 38.16W (Typical) Intel® Core™ i7-1365UE, LPDDR4x 16GB, 3.36A @12V, 39.16W (Max)	<b>EMC</b>	CE/FCC Class A
<b>Display</b>			
<b>Controller</b>	Intel® Iris® Xe		
<b>LVDS/eDP</b>	eDP 1.4 x 1, up to 3840 x 2160		
<b>Display Interface</b>	HDMI 1.2a x 1, up to 1920 x 1080 @60Hz		
<b>Multiple Display</b>	Up to Dual Displays		
<b>External I/O</b>			
<b>Ethernet</b>	Intel® Ethernet Connection I219-LM, GbE RJ-45 x 1 Intel® Ethernet Controller I226-LM, 2.5GbE x 1		
<b>USB</b>	Rear I/O : USB3.2 Gen2 Type A x 2		
<b>Video</b>	HDMI 1.4b x 1		



## Ordering Information

**Part Number / Item**

de next-ORP0-001	Intel® Core™ i7-1365UE
de next-ORP0-002	Intel® Core™ i5-1335UE
de next-ORP0-003	Intel® Core™ i3-1315UE