

# CALMO R2 X12 Compact

The versatile and compact rack PC



2HE

Rackmount



Extension options



Dust filter

## Specifications

<b>Operating system</b>	<ul style="list-style-type: none"> <li>• Windows 10/11 Pro / IoT</li> <li>• Linux 64-bit able</li> </ul>
<b>Processor</b>	Intel® Core™ i3/i5/i7 12 <sup>th</sup> to 14 <sup>th</sup> Generation Intel® Core™ Series 2 (Bartlett Lake-S) (up to 125W TDP)
<b>RAM</b>	4x DDR5 PC4800, max. 128 GB
<b>Datenspeicher</b>	2x M.2 M-Key 2280 NVMe (RAID optional) 2x 2,5" SSD (RAID optional)
<b>Graphics</b>	Processor-dependent Intel® UHD 7XX
<b>Display Interfaces</b>	4x DisplayPort 1.2 (4096 x 2304 at 60Hz )
<b>Audio</b>	Tempo 92HD91B – 5.1-Kanal HD Audio
<b>LAN</b>	1x RJ45 mit 10/100/1000 Mbit/s 2x RJ45 mit 10/100/1000/2500 Mbit/s (Intel® i219LM + i226LM *) <small>* Updated LAN controller i225LM to i226LM</small>
<b>Power supply</b>	AC-Input: 110 - 230V AC
<b>Interfaces</b>	
<b>Front</b>	<ul style="list-style-type: none"> <li>• 2x USB 3.0</li> </ul>
<b>Rear</b>	<ul style="list-style-type: none"> <li>• 2x USB 3.2 Gen2, 4x USB 3.2 Gen1</li> <li>• 1x USB 3.2 Gen2 Typ-C™</li> <li>• 4x DisplayPort 1.4a</li> <li>• 3x LAN</li> <li>• 2x RS-232</li> <li>• Audio</li> </ul>
<b>Internal</b>	<ul style="list-style-type: none"> <li>• 4xPCIe (x16   x4   x1   x1) PCIe 5.0 Support</li> <li>• 1x M.2 E-Key 2230</li> <li>• 2x RS-232   8-bit GPIO</li> </ul>

## Additional data

<b>Dimensions</b>	430 x 88 x 380 mm
<b>Weight</b>	approx. 6 kg
<b>IP-Protection</b>	IP20 with dustfilter
<b>Temperature</b>	-10 °C to 55 °C Cold start at -40°C tested several times, permanently stable at -10°C
<b>Special features</b>	<ul style="list-style-type: none"> <li>• Always-On</li> <li>• Wake-on-LAN</li> <li>• PXE-Boot</li> <li>• TPM 2.0</li> <li>• Watchdog</li> <li>• System Guard</li> <li>• Recovery-BIOS</li> <li>• OnBoard RAID 0 1 5 10 SATA+NVMe</li> <li>• Fan control</li> </ul>
<b>Optional features</b>	<ul style="list-style-type: none"> <li>• 2x RS-232 additional</li> <li>• Redundant Powersupply</li> <li>• 4 PCIe Cards (Halfsize, up to 170mm)</li> </ul>
<b>Warranty</b>	2-year Bring-In Warranty (up to 5 years) Including Advance Parts Replacement
<b>Image stability</b>	Available until 2030



For further information we invite you to visit:  
[www.calmo-pc.de](http://www.calmo-pc.de)

