

# Rx120-4i32

Provides performance and versatility to address your most demanding applications

The Exatron Rx120-4i32 provides top-tier performance for demanding applications in a 1U, Two-Socket Standard rack form factor. With cutting-edge technology, it's crafted to support extensive applications, including AI and machine learning.

## Exatron Rx120-4i32

The Exatron Rx120-4i delivers robust performance in a purpose-built, cyber-resilient form factor designed for mainstream applications

### Ideal for

- Mixed Workload Standardization
- Database and Analytics
- Virtual Desktop Infrastructure

## Max Performance

- Add upto 2x 4th/ 5th Generation Intel® Xeon® Scalable processors up to 350TDP, offering substantial processing power and efficiency for advanced applications.
- Accelerate In-memory applications by up to 32 DDR5 RDIMM slots supporting up to 8 TB with speeds up to 5600 MT/s (1DPC) and 4400MT/s (2DPC)
- Support for two double-wide FHHL GPUs and two x16 OCP 3.0 bays

## Air cooled at peak performance

- Using our latest chassis design, optimizes airflow to support the highest core count CPUs in an air-cooled environment within the current IT infrastructure.
- Support for up to 12x front drives,



## Enhanced Versatility

- Optimize efficiency with versatile chassis designs customized to suit your specific workloads and business goals.
- Storage options include up to 12 or 8 x 2.5" SAS3/SATA; optional 4-pot NVMe PCIe Gen5; up to 12x NVMe U.2 Gen5.
- Multiple Gen4 and Gen5 riser configurations with interchangeable components that seamlessly integrate to address customer needs over time.

## Cyber-Resilient Architecture

Emphasizes security with options for Silicon Root of Trust, Secure Boot, and Data at Rest Encryption.

## Embedded Management

Text BoxBMC management software suite for easy monitoring, automation, and efficiency. Includes support for IPMI 2.0, Redfish, Smash, HTML5, iKVM, Media Redirection, IPMI over LAN, Serial over LAN. Managed over dedicated LAN port.

## Rest easier with Exatron Services

Maximize your Enterprise servers with comprehensive services from Exatron including 4-hour support and triage, consulting, deployment assistance and more



Feature	Technical Specifications
Model	Rx120-4i
SKU	Rx120-4i32-12SN
Dimensions (WxDxH)	mm : 438 x 800 x 43.75 inches : 17.2 x 33.5 x 1.75
Form Factor	1U Rack Server
Processor	<ul style="list-style-type: none"> <li>• 5th Gen Intel® Xeon® Scalable Processors (Emerald Rapids)</li> <li>• 4th Gen Intel® Xeon® Scalable Processors (Sapphire Rapids)</li> <li>• Supports CPU TDP up to 350W</li> </ul> *Please contact Exatron Technical Support for more info/details about optimized CPUs and specialized system. Socket Type : Socket E (LGA 4677)
Memory	<ul style="list-style-type: none"> <li>• DDR5 4800MHz (1DPC)</li> <li>• DDR5 5600MHz (1DPC) 4400MTS (2DPC) by Emerald Rapids CPU</li> <li>• Total 32 memory slots; 16 slots per CPU (2DPC)</li> </ul>
Storage	<b>External :</b> <ul style="list-style-type: none"> <li>• Up to 12 x 2.5" hot swap (PCIe 5.0 U.2 NVMe)</li> </ul> <b>Internal :</b> <ul style="list-style-type: none"> <li>• 2 x M.2/M-Key/22110/2280 (PCIe Gen4)</li> </ul>
Drive Bays	<ul style="list-style-type: none"> <li>• 12 bay 2.5"/2.5" 8-bay SAS/SATA, and 4 NVMe PCIe Gen 5</li> <li>• 2 x 2.5" hot swap (SATA, 15mm, rear)</li> </ul>
GPU Options	<ul style="list-style-type: none"> <li>• Reserve GPU card support retention of Specific mechanical bracket(FHHL), only SFF GPUS</li> </ul> *Please contact Exatron Technical Support for more info/details
PCIe	<ul style="list-style-type: none"> <li>• 2 x PCIe X16 slots (FHHL)</li> <li>• 2 x OCP 3.0 bays (PCIe X16 width)</li> </ul>
Embedded NIC	1 x GbE RJ45 dedicated BMC management
Network options	2x X16 OCP/3xPCIe
Ports	NA
Power Supplies	1200W /1600W/2000W CRP N+1 Supports
Cooling Options	Air Cooled
Fans	8 x 40x56mm easy swap fans ABS material plastic air-duct (clear)
Bezel options	Optional
Software add-ons	NA
OEM Integrations (add-on)	NA
Security options	TPM2.0 security panel, intrusion alert, BIOS/BMC chipset-level redundancy, power capping,

Embedded Management	<p>Aspeed AST2600 Advanced PCIe Graphics &amp; Remote Management Processor</p> <ul style="list-style-type: none"> <li>• Baseboard Management Controller</li> <li>• Intelligent Platform Interface 2.0 (IPMI 2.0)</li> <li>• iKVM, Media Redirection, IPMI over LAN, Serial over LAN</li> <li>• HTML5</li> <li>• Redfish</li> <li>• SMASH Support</li> </ul> <p><b>Network Controllers :</b> Realtek RTL8211E for BMC dedicated management port</p> <p>Graphics : Aspeed AST2600 Advanced PCIe Graphics &amp; Remote Management Processor</p> <ul style="list-style-type: none"> <li>• PCIe Graphic/2D Controller</li> <li>• 1920x1200@60Hz 32bpp</li> </ul>
BIOS	<p>BIOS Type : AMI UEFI BIOS</p> <p>BIOS Features :</p> <ul style="list-style-type: none"> <li>• ACPI</li> <li>• PXE</li> <li>• WOL</li> <li>• AC loss recovery</li> <li>• BIOS recovery</li> <li>• IPMI 2.0 KCS mode interface</li> <li>• SRIOV</li> <li>• SMBIOS</li> <li>• TPM</li> <li>• Serial console redirection</li> <li>• PCIe hotplug</li> </ul>
Operating System and Hypervisors	Latest Microsoft Windows Server, Red Hat Enterprise Linux, Ubuntu Enterprise Server, CentOS,
OEM-ready version available	From bezel to BIOS to packaging, your servers can look and feel as if they were designed and built by you. For more information, visit <a href="http://Exatron.in">Exatron.in</a> -> Solutions -> OEM Solutions
Operating conditions	<ul style="list-style-type: none"> <li>• Storage temperature : -10°C(14°F) ~ 60°C(140°F)</li> <li>• Operating temperature : 0°C(32°F) ~ 35°C(95°F)</li> <li>• Storage operating humidity : 5%~95% non-condensing</li> </ul>
Regulation and compliance	BIS,WEEE, ECC,ISO9001 Complied

**Note:**

- SAS cards are required for SAS devices support.
- If only 1 CPU is installed, some PCIe or memory functions might be unavailable.

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