

# Rx120-4i16

## Provides performance and versatility to address your most demanding applications

The Exatron Rx120-4i Edge Server, a Class-1 Make in India solution, Delivers Robust and Compact performance in a 1U, Dual-Socket design. Engineered for Efficiency and Scalability, It excels in Edge Deployments and Virtualization workloads and Data-Driven operation. Built for Reliability, it ensures seamless operation in High-Demand Environments.

### Exatron Rx120-4i

The Exatron Rx120-4i Edge Server Series delivers powerful, secure, and versatile performance in a streamlined form factor, making it an ideal choice for businesses seeking a balance between performance and security.

#### Max Performance

#### Ideal for

- Edge Computing Deployments
- Virtualization and Cloud Applications
- Enterprise IT Workloads

#### Performance Excellence

- Supports 4th/5th Gen Intel® Xeon® Scalable Processors for highest every performance and improved power efficiency
- Supports 16DDR5 DIMM slots for maximum memory performance
- Supports Compute Express Link (CXL1.1)
- 2x PCIe slots can support three FHFL PCIe5.0 x16 add-in cards
- Supports three MCIO x8, total 24 PCIe5.0 lanes

#### Versatile Expandability

- Dual PCIe Gen4 slots for network and accelerator upgrades.
- Flexible storage options, supporting up to 10 bay 2.5" hot swap (5x PCIe Gen4 Slimline connectors)

#### Efficient Cooling

- Using our latest chassis design, optimizes airflow to support the highest core count CPUs in an air-cooled environment within the current IT infrastructure



Front view



Rear view

#### Built-in Security

- TCM 2.0 interface for extension
- TPM 2.0 onboard (Default: N/A; optional by SKU)

#### Compact Design

- Optimised 1u chassis for space-efficient data centre and edge deployments.

#### Energy Efficiency

- Efficient platinum PSU coupled with high efficiency air-flow provides unmatched power efficiency

#### Seamless Management

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

#### Rest easier with Exatron Services

- Pair this with Exatron's top-tier support and services for a seamless and reliable enterprise experience.

Feature	Technical Specifications
• Model	• Rx120-4i Edge Server Series
• SKU	• Rx120-4i16-10SN, Rx120-4i16-10N
• Dimensions (WxDxH)	<ul style="list-style-type: none"> <li>• mm : 438 x 678.7 x 44.4</li> <li>• inches : 17.2 x 26.7 x 1.7</li> </ul>
• Form Factor	• 1u Rack Server
• Processor	<ul style="list-style-type: none"> <li>• 2x 4410Y 4th Generation Intel® Xeon Scalable Processors Series</li> <li>• CPU Interconnection: QPI Speeds 11.2 GT/s</li> <li>• Socket Type : 1 x LGA 4677 (Socket E)</li> </ul>
• Memory	<ul style="list-style-type: none"> <li>• 64GB DDR5 5600/4800MHz RDIMM (1DPC)</li> <li>• Total 16 memory slots; 8 slots per CPU (1DPC)</li> </ul>
• Storage	<ul style="list-style-type: none"> <li>• 4 x 2.5" Gen4 NVMe/SATA/SAS hot-swappable bays (Optional)</li> <li>• 8 x 2.5" SATA/SAS hot-swappable bays</li> <li>• *A SAS card is required for SAS device support</li> <li>• 1 x M.2 slot (M-key, PCIe Gen3 x4, supports 2280/22110 cards)</li> </ul>
• Drive Bays	• 10 bay 2.5" hot swap (5x PCIe Gen4 Slimline connectors)
• GPU Options	• NA
• PCIe	• 2 x FHHL PCIe Gen5 x16 slots
• Embedded NIC	• 1 x GbE RJ45 dedicated BMC management
• Network options	• 2x1G Ethernet port
• NIC Ports	• NA
• Power Supplies	• 750W/1100W /1300/1600Watts 1+1 Redundant power supply 80+ Platinum
• Cooling Options	• Air Cooled
• Fans	<ul style="list-style-type: none"> <li>• 6 x 40x56mm easy swap fans</li> <li>• 1 x 40x28mm fan</li> </ul>
Software add-ons	NA
Bezel options	Optional

on Board	<ul style="list-style-type: none"> <li>• 1 x 1Gb/s LAN port (1 x Intel® I210-AT) - Supports NCSI function 1 x 10/100/1000 Mbps Management LAN</li> <li>• ASPEED® AST2600 Integrated 2D Graphic Adapter</li> <li>• 4 x 2.5" Gen4 NVMe/SATA/SAS hot-swappable bays</li> <li>• 8 x 2.5" SATA/SAS hot-swappable bays</li> <li>• *A SAS card is required for SAS device support</li> <li>• 1 x M.2 slot (M-key, PCIe Gen3 x4, supports 2280/22110 cards)</li> <li>• Intel® SATA RAID 0/1/10/5</li> </ul>
Rear I/O	<p><b>LAN:</b></p> <ul style="list-style-type: none"> <li>• 1 x GbE RJ45</li> <li>• 1 x GbE RJ45 dedicated to BMC management,</li> <li>• 2 x USB 3.0 Type A</li> <li>• Video Output:</li> <li>• 1 x external DB-15 VGA port</li> <li>• 1 x external COM port phone jack</li> </ul>
Front I/O	<ul style="list-style-type: none"> <li>• Power Button</li> <li>• Reset button</li> <li>• UID</li> <li>• 2 x USB 3.2 Gen1</li> <li>• Power status, Drive activity, LAN activity, System alert, System ID</li> </ul>
OEM Integrations (add-on)	NA
Embedded Management	<p>IPMI 2.0</p> <ul style="list-style-type: none"> <li>• KVM over IP</li> <li>• Media redirection</li> <li>• Temperature, fan, voltage, and PSU sensor monitor</li> <li>• System temperature</li> <li>• System ID / System fail indicator</li> <li>• Remote power on/off/reset</li> <li>• SEL message alarm through email</li> <li>• SNMP support</li> <li>• Intel NM</li> </ul>
BIOS	<p><b>BIOS Type :</b> AMI UEFI BIOS  SPI (Serial Peripheral Interface) FLASH  Interface 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 interface</li> <li>• SMBIOS</li> <li>• Serial console redirection</li> <li>• BIOS Boot</li> <li>• BIOS Recovery Mode</li> <li>• SRIOV</li> <li>• iSCSI</li> <li>• TPM</li> <li>• PCIe NTB</li> </ul>

<https://exatron.in/>

Security options	TPM2.0
Operating Systems and Hypervisors	Windows Server 2019 / 2022 RHEL 8.6 / 8.7 / 8.8 / 8.9 / 8.10 / 9.0 / 9.1 / 9.2 / 9.3 / 9.4 SLES 15 SP4 / SP5 / SP6 Ubuntu 22.04 / 22.04.1 / 22.04.2 / 22.04.3 / 22.04.4 / 24.04 LTS VMware ESXi 7.0 Update 3o / 8.0 Update 1, Update 2, Update 3 Citrix Hypervisor 8.2 LTSR CU1
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="https://exatron.in/">https://exatron.in/</a>
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 Compliant

**Note:** • SAS cards are required for SAS device support. • If only 1 CPU is installed, some PCIe or memory functions might be unavailable.

**Open Box View**



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