Ericsson Compute Rack Unit (CRU) is a general-purpose rackmount server that can integrate with the other components of the Ericsson Software Defined Infrastructure. Equipped with dual CPUs based on Intel® Xeon® processor E5-2600 v3 and E5-2600 v4 product families, it provides up to 1.5 TB memory in a 1U rack.
Features and Benefits

More powerful with lower cooling costs
The Intel® Xeon® processor E5-2600 v3, v4 product families with DDR4 memory technology increases performance, and its enhanced thermal design operates at high ambient temperatures. The result is higher datacenter efficiency.

High speed memory for demanding virtualization and cloud workloads
24 dual in-line memory module (DIMM) slots support memory-hungry virtualization environments with low latency. Two 2.5” NVMe PCIe SSDs together with eight additional drives provide the storage speeds required for cloud workloads.

Flexible and Scalable I/O Options
Several PCIe and OCP mezzanine cards offer a wide variety of external connectivity, whether fiber-optic or copper, with speeds from 1GbE to 40GbE.

Ericsson Software Defined Infrastructure
CRU 0101 is a hardware component in Ericsson Software Defined Infrastructure, which provides a common managed hardware pool for all workloads. The pool can be dynamically scaled and used to create multiple environments to enable fast service rollout, performance optimization and efficient hardware utilization.

Ericsson Software Defined Infrastructure key features include multi virtual-POD (vPOD), hardware management across the common hardware pool with an open, single integration point and independent of vendor. CRU 0101 is suitable to be integrated in a Software Defined Infrastructure system where the vPODs are using the common hardware pool to dynamically create sets of compute and storage hardware logically isolated from each other.

Based on the common hardware pool, vPODs can be used to deploy applications in cloud-, appliance-, container-, or bare metal environments. The pool can also be shared across organizations with tenant separation where each department has its own environment. The vPODs are used by operators to quickly set up multiple hardware environments to support various flavors of NFVI with optimized performance and utilization. This capability makes it possible to support the implementation of pre-development environments replicating the production environment, e.g. when introducing new applications. The benefits are fast deployment of new services, improved operational efficiency and better utilization of the hardware.
Specifications

Form factor
— 1U rack mount

Dimensions
— 17.244 W x 1.7 H x 29.21 D (inches)
— 438 W x 43.2 H x 742 D (mm)

Weight
— 19.97 kg maximum configuration
— 44.03 lb maximum configuration

Storage
— Ten 2.5” hot-plug drives- including two optional 2.5” NVMe PCIe SSD (Ten SATA 6Gb/s ports)

Power supply
— 800W AC, Redundant (optional), 86mm (Platinum)
— 100-240 VAC, 240 VDC and -48 VDC

Fan
— Six dual rotor fans (11+1 redundant)

System management
— IPMI v2.0-compliant

Environmental
— Operating temperature: 5˚C to 40˚C (41˚F to 104˚F)
— Non-operating temperature: -40˚C to 65˚C (-40˚F to 149˚F)
— Operating relative humidity: 20% to 85% RH
— Non-operating relative humidity: 10% to 90% RH

Network controller
— LOM: 1 GbE management port

Expansion slot
— 1x PCIe gen3 x8 OCP slot
— 1x PCIe gen3 x16 FHHL
— 1x PCIe gen3 x16 HHHL

Chipset
— Intel® C610

Processor
— Processor Type: Intel® Xeon® processor E5-2600 v3, v4 product families
— Maximum TDP Support: 145W
— Number of processors: Two
— Internal Interconnect: 6.4 / 8.0 / 9.6 GT/s
— L3 Cache: Up to 45MB

Memory
— Total Slots: 24
— Capacity:
  Up to 768GB RDIMM
  Up to 1536GB LRDIMM
— Memory Type:
  2133/2400 MHz DDR4 RDIMM/LRDIMM
— Memory Size:
  32GB, 16GB RDIMM
  64GB, 32GB LRDIMM

Video
— Integrated AST2400 with 8MB DDR3 video memory

Front I/O
— Four Ericsson standard LED indicators (red, green, blue, yellow)
— One hereiam button and LED (white)

Rear I/O
— 2x USB 3.0 port
— 1x VGA port
— 2x RS232 serial port
— 2x 1GbE port
— 1x GbE RJ45 management port
— 1x ID LED
— 1x System LED

Trusted platform module (TPM)
— TPM 2.0

Disclaimer: Specifications subject to change without notice.
Standards and regulations

**EMC**

- EMC Directive, 2014/30/EU
  ETSI EN 300 386, Electromagnetic compatibility and Radio spectrum Matters (ERM); Telecommunications network equipment; ElectroMagnetic Compatibility (EMC) requirements

**Emission**


**Immunity**

- EN 61 000-4-2: Electrostatic Discharge Test
- EN 61 000-4-3: Radiated Immunity Test
- EN 61 000-4-4: Electrical Fast Transient / Burst Test
- EN 61 000-4-5: Surge Immunity test
- EN 61 000-4-6: Conducted Immunity Test
- EN 61 000-4-11: Voltage dips, short interruptions and voltage variations immunity tests

**FCC 47 Part 15: subpart B**

- Unintentional radiators

**Safety**

- Low Voltage Directive 2014/35/EU IEC/EN 60 950-1: Safety of information technology equipment
- ANSI/UL 60 950-1 ed, Safety of Information technology equipment
- UL/CSA C22. No. 60 950-1:2 ed, Safety of Information technology equipment

**RoHS**

- RoHS Directive, 2011/65/EU EN 50 821, Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances