CPA 0112
Chassis Plenary Assembly

Ericsson Software Defined Infrastructure

Ericsson CPA 0112 is a 19", 2U chassis for Ericsson Storage Sled Units (SSU) 0111 and 0112. It is an integrated part of the Ericsson Software Defined Infrastructure providing access for the Ericsson SDI Manager to the equipment management and control services.
Features and benefits

— Standard 19”, 2U chassis for Ericsson SSU 0111 and SSU 0112
— Chassis Fan Units (CFU) providing optimal front to end cooling
— Chassis Management Units (CMU) providing access point to Ericsson SDI Manager

Physical enclosure
CPA 0112 is a standard 19”, 2U chassis which can accommodate up to 2 SSU 0111 or SSU 0112 sleds and 4 chassis fan units that provide the required airflow for cooling. The sleds and fan units can be individually pulled out for maintenance activities. The SSU optical cabling is aggregated in the CPA through an internal backplane with 8 MPO/MTP single mode-fiber connections in the back. When the SSU sled is returned to its operational position the connection to the optical network is provided for without any need for re-cabling on the back of the chassis. The duplicated CMUs are located at the back of the chassis. In the front CPA 0112 is equipped with LED status indicators and USB access.

Chassis Fan Unit
The CFU provides the required airflow for cooling with two serially connected fans in one motor module. The motor units are independent of each other and can have individual rotation speeds in order to continuously provide optimal front-to-end cooling of the chassis. The CFUs are controlled by the CMU based on temperature data from the chassis and sleds. If a CFU is faulty, it will stop and it can be swapped while the others are in operation.

CPA 0112 and Ericsson Software Defined Infrastructure
CPA 0112 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) and telecom characteristics together with datacenter efficiency. CPA 0112 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. This hardware is then managed by Ericsson SDI Manager, where the CPA 0112 serves as an access point and as an aggregation switch to the equipment’s management and control services.

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

### Mechanical
- Width: 17.7”/450 mm, fits 19” hole
- Height: 2U/88 mm
- Depth: 950 mm (including external cable bending radius)
- Weight: 11 kg

### Power
- Input: 2xIEC C20
- Power consumption, excluding sleds: 0 W
- Redundancy: Yes

### Optical connections
- External: 8 x MPO/MTP single mode-fiber connections

### User interface
- LED indicator: 4 status indicators
- Button: “Here I am” on CMU
- Micro USB: For maintenance

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Disclaimer: Specifications subject to change without notice.

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![Frontside of CPA 0112](image)

![Backside of CPA 0112](image)
Standards and regulations

<table>
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<tr>
<th>Functionality</th>
<th>Description</th>
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| **Product Safety** | — IEC/EN 60 950-1:ed.2:2006+Amn1+Amn2  
— UL/ CAN-CSA-C22.2 No. 60 950-1:2007 |
| **EMC** | **Emission:**  
— CISPR 22/EN 55 022:2010, Class A  
— IEC 61000-3-2:2014, Harmonic  
— IEC 61000-3-3:2013, Flicker  
— FCC part 15-part B, Class A  
**Immunity:**  
— CISPR 24/EN 55 024:2010+Amn1 |
| **Regulatory** | **Europe Directive:**  
— EMC, 2014/30/EU  
— LVD, 2014/35/EU  
— RoHS, 2011/65/EU |
| **Power** | **AC-power**  
— 200 - 240 VAC, 50 Hz & 60Hz ±5% |