

# PRODUCT SPECIFICATIONS

## RPSU 5580

Description: Technical specifications RPSU 5580 - v1.0.0

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**MADE IN BELGIUM**

## 1. Applications

### RPSU 5580: Flexible Power Supply Solution for Critical AV Applications.

The RPSU 5580 is a versatile ½ 19” power supply unit designed to complement select GigaCore Ethernet switches, offering enhanced power options for AV integration and installations where reliability is paramount.

Operating in redundant mode, the RPSU 5580 ensures uninterrupted operation by seamlessly taking over in the unlikely event of a PSU or power cable failure. This guarantees continuous performance of the connected GigaCore switch. Alternatively, when redundancy is not required, the RPSU 5580 can be used to significantly increase the PoE budget, providing additional power for demanding setups.

The RPSU 5580 can be rack mounted either as a standalone unit or paired with a ½ 19” GigaCore model within a single 1U rack space.

The package includes a 550W slide-in power supply, a 2m connection cable, as well as a rack mount and coupling kit for seamless integration.

The RPSU 5580 features front-panel status indicators, while its redundancy or load-sharing status is easily monitored via Araneo and depicted near the connected GigaCore switch. **#convergednetworkingmadeeasy.**

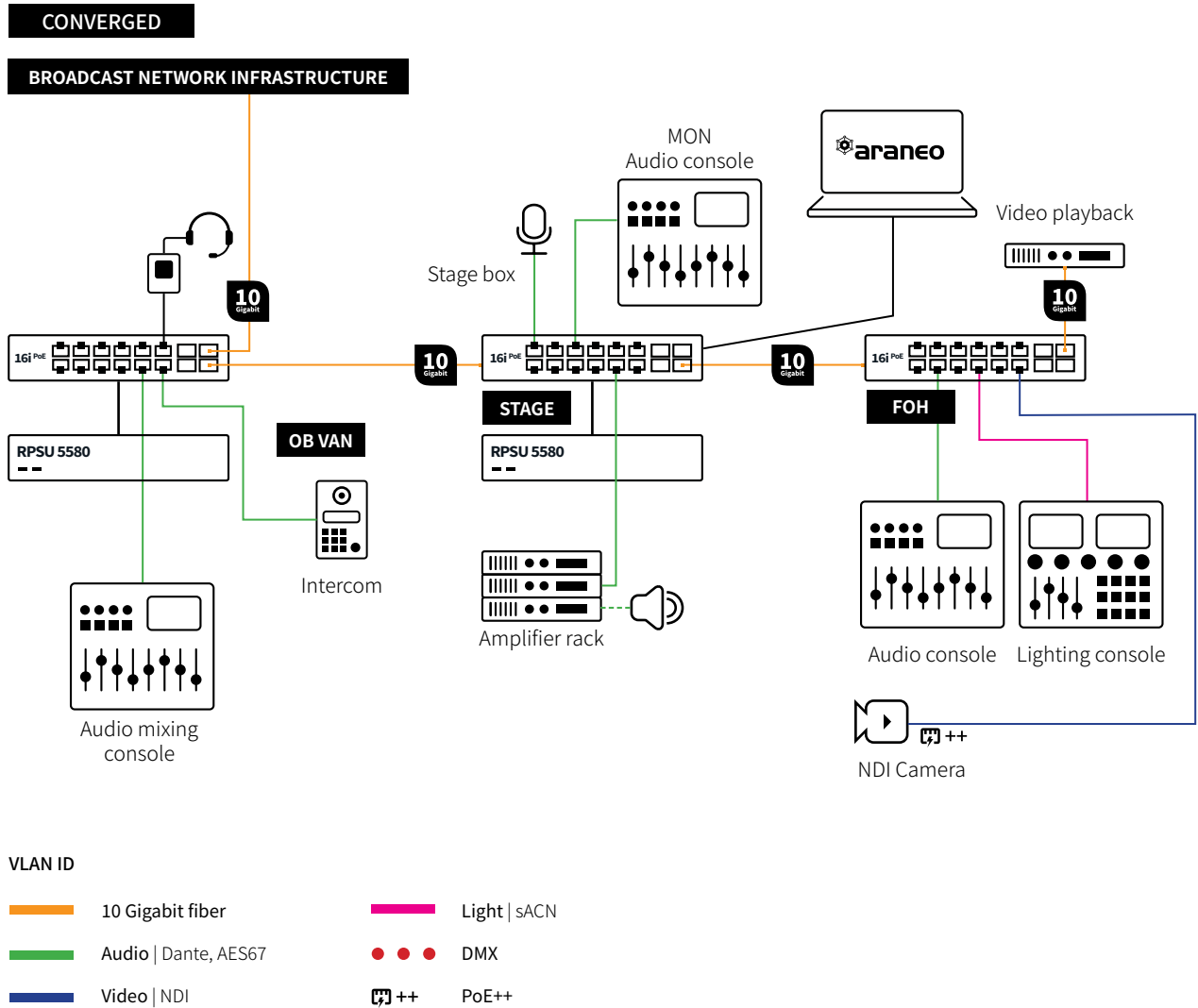
### Industries

- Live events
- Film Studios
- Touring
- Large system integrations
- Sports arenas
- Convention centers
- Broadcast and recording studios, OB vans
- Theme parks
- ...

| Ordering information |                 |
|----------------------|-----------------|
| Product name:        | Article number: |
| RPSU 5580 - 550W PSU | LU 01 00088-550 |



## 2. Application Diagram



### 3. Technical Specifications

| <b>MECHANICAL</b>                 |   | <b>RPSU 5580</b> |
|-----------------------------------|---|------------------|
| Enclosure                         | Robust all metal housing  |                  |
| Dimensions (WxDxH)                | 220x296,4x43,2 mm   8,66x11,67x1,7 inch   |                  |
| Material thickness                | 1 mm  |                  |
| Mounting type                     | Rack mount  |                  |
| Weight                            | 2,8kg (with 550W slide in PSU)  |                  |
| Packaging dimensions              | 550 mm x 335mm x 68 mm  |                  |
| Packaged weight                   | 3,4kg   |                  |
| <b>CONNECTIVITY</b>               |   |                  |
| Power input                       | 100-240 VAC, 50-60Hz  |                  |
| Power consumption                 | 20-460W   |                  |
| DC output power                   | 57V-15A   |                  |
| Slide in PSU                      | 550W included - Future upgradability to 800W PSU  |                  |
| <b>TEMPERATURE MANAGEMENT</b>     |   |                  |
| Intelligent control               | Yes   |                  |
| Number of fans                    | 1x  |                  |
| Position of fans                  | Rear  |                  |
| Airflow direction                 | Front to rear   |                  |
| <b>ENVIRONMENTAL</b>              |   |                  |
| Operating temperature             | 0 to +50 °C   |                  |
| Storage temperature               | -40 to +70 °C   |                  |
| Humidity (non condensing)         | 5 to 95% RH   |                  |
| <b>USER INTERFACE</b>             |   |                  |
| Device status                     | LEDs on front panel <ul style="list-style-type: none"> <li>• OK</li> <li>• Power</li> </ul> LED on rear panel <ul style="list-style-type: none"> <li>• Power</li> </ul> Araneo<br>Redundant status or Load sharing status icons in Araneo (located with connected switch) |                  |
| <b>COMPATIBLE GIGACORE MODELS</b> |   |                  |
|                                   | GigaCore 20t PoE<br>GigaCore 18t PoE<br>GigaCore 16t PoE<br>GigaCore 16i PoE<br>GigaCore 16tf PoE   |                  |



| APPROVALS                              |  |
|--|--|
| Electromagnetic emissions and immunity | FCC Part 15 CFR 47 class A<br>CAN/ICES-003<br>EN 61000<br>EN 55032<br>EN 55024 |
| Safety                                 | IEC 62368-1<br>EN 62368-1<br>UL 62368-1<br>CAN/CSA-C22.2 No. 62368-1           |
| Certificates and approvals             | cSGSus Mark (UL)<br>CE Mark<br>UKCA Mark<br>CB Certificate                     |
| Green                                  | RoHS<br>REACH  |



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