PRODUCT SPECIFICATIONS

RPSU 5580

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.**
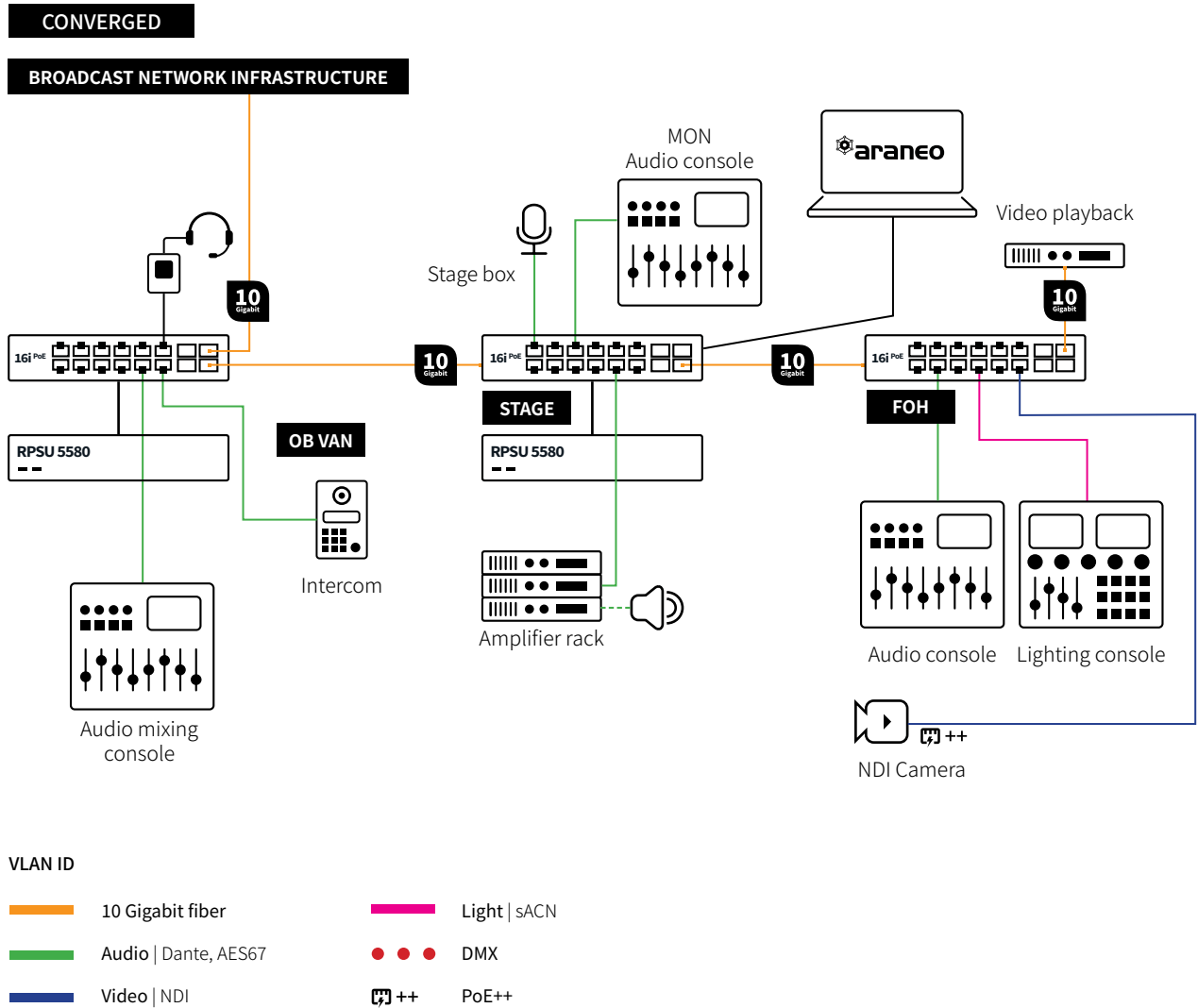
Industries

- 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 00099-550

2. Application Diagram

CONVERGED

BROADCAST NETWORK INFRASTRUCTURE

MON
Audio console

araneo

Video playback

Stage box

16i PoE

16i PoE

16i PoE

STAGE

FOH

RPSU 5580

RPSU 5580

OB VAN

Intercom

Amplifier rack

Audio mixing
console

Audio console   Lighting console

NDI Camera

VLAN ID

10 Gigabit fiber	Light | sACN
Audio | Dante, AES67	DMX
Video | NDI	PoE++

Luminex

3. Technical Specifications

MECHANICAL	RPSU 5580
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
CONNECTIVITY	
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
TEMPERATURE MANAGEMENT	
Intelligent control	Yes
Number of fans	1x
Position of fans	Rear
Airflow direction	Front to rear
ENVIRONMENTAL	
Operating temperature	0 to +50 °C
Storage temperature	-40 to +70 °C
Humidity (non condensing)	5 to 95% RH
USER INTERFACE	
Device status	LEDs on front panel • OK • Power LED on rear panel • Power Araneo Redundant status or Load sharing status icons in Araneo (located with connected switch)
COMPATIBLE GIGACORE MODELS	
	GigaCore 20t PoE GigaCore 18t PoE GigaCore 16t PoE GigaCore 16i PoE GigaCore 16tf PoE

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

RPSU 5580

RPSU 5580

220 mm / 8.66"

44 mm / 1,73"

291.2 mm / 11.46"

DC OUTPUT

Luminex