UniFi® Network RPS Pro

Datasheet
USP-RPS-Pro

UniFi® Network

Redundant Power System Professional

Redundant power system that can protect up to eight SmartPower™ supported devices from sudden power supply failure.

The SmartPower™ Redundant Power System Professional (USP RPS Pro) continually monitors up to eight connected devices for internal power failure. Should your AC/DC power supply ever fail, the USP RPS Pro will automatically connect your devices to contingent power resources so your network continues to operate without interruption. The USP RPS Pro also has a 48V DC input that can connect a DC battery and provide additional failover support in the event of a major outage. An AC output is also included to power an ISP modem. Additionally, the system's 1.3" LCM color touchscreen concisely displays critical system information for convenient monitoring.

Mechanical

Dimensions	442.4 x 325 x 87.4 mm (17.4 x 12.8 x 3.4")
Weight	9.6 kg (21.2 lb)
Enclosure material	SGCC steel

Hardware

Networking interface	(1) GbE RJ45 port
Management interface	Ethernet
Max. power consumption	1400W
Power method	(1) Universal AC input 100-240VAC, 15A Max, 50/60Hz (1) DC input for USP-Battery, 48VDC, 33A max
Supported power voltage	90VAC - 264VAC
System total DC output power budget	52VDC, 14.43A (750W) 11.5VDC, 43.48A (500W)
Single port DC output power budget	52VDC, 14.43A (750W) 11.5VDC, 30.44A (350W)

Power budget*

Model	52V	12V
UDM-Pro	0	50W
USW-Pro-24	0	30W
USW-Pro-24-PoE	400W	30W
USW-Pro-48-PoE	600W	50W

*Maximum power consumption per device model

ESD/EMP protection	Air: ± 16 kV, contact: ± 12 kV
Operating temperature	-5 to 45° C (23 to 113° F)
Operating humidity	10 - 90% noncondensing
Certifications	CE, FCC, IC

LEDs

Power	(1) Blue/white Blinking white: bootup in progress Blinking blue: firmware updating Steady white: factory defaults, unit is awaiting adoption Steady blue: unit is adopted
Ethernet	White: link/activity

FCC

Changes or modifications not expressly approved by the party responsible for compliance could void the user‘s authority to operate the equipment.This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

The following apply to Class A products

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

CAN ICES-3(A)/NMB-3(A)

This device complies with ISED Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

1. This device may not cause interference, and
2. This device must accept any interference, including interference that may cause undesired operation of the device.

use to reduce the potential for harmful interference to co-channel mobile satellite systems.

CAN ICES-3(A)/NMB-3(A)

Le présent appareil est conforme aux CNR d’ISDE Canada applicables aux appareils radio exempts de licence. L’exploitation est autorisée aux deux conditions suivantes :

1. l’appareil ne doit pas produire de brouillage;
2. l’appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d’en compromettre le fonctionnement.

de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux.

RF Exposure Warning

The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be located or operating in con junction with any other antenna or transmitter.

Les antennes utilisées pour ce transmetteur doivent être installé en considérant une dis tance de séparation de toute personnes d’aumoins 20 cm et ne doivent pas être localisé ou utilisé en conflit avec tout autre antenne ou transmetteur.