

RELIABLE

APC NetShelter 9000 Series

- Switched Rack Power Distribution (PDU)

www.apc.com

Life Is 

APC[®]
by Schneider Electric



From the world's most trusted brand in PDUs

Comes a more reliable, intelligent, and faster to deploy PDU. Designed for data centers and remote edge computing environments that are experiencing rising power densities and that demand always "ON" IT infrastructure. IT devices in these environments need certainty and APC NetShelter 9000 Series Switched Rack PDUs provide that with features making them faster to deploy, enhance their reliability, and make them more manageable onsite or remotely anywhere in the world with EcoStruxure IT.

More reliable

- Higher temperature performance
- More secure power cord
- Long lasting design

More manageable

- More precise metering
- Faster ethernet connectivity
- Embedded APC Network Management Card 3 (NMC)

Faster to deploy

- Fast network setup with network port sharing
- Cableless install and setup with optional wireless connectivity. Coming soon*
- Zero U toolless installation

*Expected to be available on units manufactured after March 2021

Key Features:

60°C High Temperature Performance

Industry first hybrid outlets (C13/C15 & C19/C21) provide true 60°C operating temperature for a PDU. Providing the ability to operate in a maximum ambient air temperature of 60°C (140°F) at full load increasing reliability and availability even in today's high density deployments. Other models allow up to 45°C (113°F).

EcoStruxure IT Ready

Seamless integration of one or many PDUs including alerts and control with EcoStruxure IT. Allows IT and data center professionals to monitor and manage all of their critical IT infrastructure on-premise, in the cloud, and at the edge from anywhere.

Typical applications

- Cloud and Service Providers / Colocation
- Small, medium, large data centers
- Enterprise Edge Computing
- Finance / Insurance / Content Delivery Networks / Government

EcoStruxure™
Innovation At Every Level

Product feature by series

	AP7900	AP8900	APDU9000
Design feature			
Ultralow-profile, space savign design	✓	✓	✓
Hydraulic-magnetic circuit breakers	✓	✓	✓
Ultralow-profile circuit breakers		✓*	✓*
Locking IEC outlets when used with locking power cords (AP8700)		✓	✓
High Retention outlets when used with standard power cords			✓
Outlet control			
Individual outlet remote power on/off control	✓	✓	✓
Outlet power sequencing with full user customization	✓	✓	✓
Outlet level grouping (multiple outlets in same or multiple units follow single command)	✓	✓	✓
User access control with assignable roles, access levels at device and outlet level	✓	✓	✓
Display and network management			
Full-featured network management capability via Web, SNMP, and Redfish	✓	✓	✓
Ethernet connectivity	10/100	10/100	Gigabit
Wireless connectivity (optional). Coming soon**			WiFi**
Local display	LED	LCD	Color LCD
Network port sharing	0	4	32
Local USB port for easy local firmware updates		✓	✓
Metering capability			
1% metering accuracy			✓
Active current measurements (amps)	✓	✓	✓
Active power measurements (including volts, amps, real power (kW) and energy (kWh))		✓	✓
User-customizable alarms and warnings	✓	✓	✓
Embedded log memory to record/review/report historic metered data	✓	✓	✓
Environmental			
Maximum operating temperature	45°C	45°C	60°C***
Environmental monitoring port for external temperature/humidity monitoring		✓	✓
Maintenance and upgradeability			
Field-replaceable network management module		✓	✓
Standard factory warranty	2 years	2 years	3 years

* Not applicable on AP8965 & APDU9965

** Expected to be available on units manufactured after March 2021. Requires separate purchase AP9834 APC USB WiFi Device.

*** North American and Japan models only



9000 Series Switched Rack Power Distribution



With industry leading reliability, manageability, and security, APC NetShelter Switched Rack PDUs provide advanced load management plus on/off control at the outlet for power cycling, outlet power sequencing, and outlet use management. 9000 Series PDUs are available globally in a wide variety of configurations, including:

- Single and three-phase input options, 16-60A, 3.7-17.3kW
- 100-240V output options
- IEC, NEMA and other input cord options



APDU9941

APDU9953

APDU9959EU3

APDU9959NA3
APDU9959J

APDU9961

APDU9965

9000 Series
Switched Rack
PDUs

SKU	Form Factor	Input Voltage	Input Current	Input Current	Nominal Power	Input Plug
APDU9941	Vertical, 0U	200-240V	30A	30A	5.0kW	L6-30P
APDU9953	Vertical, 0U	230V	32A	32A	7.4kW	IEC 309 32A
APDU9959EU3	Vertical, 0U	230V	16A	16A	3.7kW	IEC 309 16A
APDU9959J	Vertical, 0U	200V	16A	16A	3.3kW	L6-20P
APDU9959NA3	Vertical, 0U	208V	16A	16A	3.3kW	L6-20P
APDU9961	Vertical, 0U	208V	20A, 3phase	20A	5.8kW	L21-20P
APDU9965	Vertical, 0U	208V	30A, 3phase	30A	8.6kW	L21-30P
APDU9966	Vertical, 0U	208V	60A, 3phase	60A	17.3kW	IEC 309 60A 3P+N+PE
APDU9967	Vertical, 0U	208V	60A, 3phase	60A	17.3kW	IEC 309 60A 3P+N+PE
APDU9970	Vertical, 0U	208V	30A	30A	5.0kW	L14-30P
APDU9981EU3	Vertical, 0U	400V	16A, 3phase	16A	11.1kW	IEC 309 16A 3P+N+PE
APDU9981NA3	Vertical, 0U	415V	16A, 3phase	16A	11.1kW	IEC 309 16A 3P+N+PE

Innovative Outlet Design

Industry first hybrid PDU outlets are UL certified hybrid C13/C15* and C19/C21* PDU outlets:

- Compatible with standard C14 and C20 power cords
- Future-proofed for new C16 and C22 cords required for IT devices designed for high temperature environments
- These outlets provide 120°C (vs 70°C) outlet rating for true 60°C performance at 100% load

*Select models, see complete list below



	Cord Length m (ft)	Output Receptacles	Dimension mm (in) H x D x W	Warranty	Previous model
	3.0 (9.8)	(21) IEC 320 C13/C15, (3) IEC 320 C19/C21	1829 x 46 x 55 (72 x 1.81 x 2.16)	3 years	AP8941
	3.0 (9.8)	(21) IEC 320 C13, (3) IEC 320 C19	1829 x 46 x 55 (72 x 1.81 x 2.16)	3 years	AP8953
	3.0 (9.8)	(21) IEC 320 C13, (3) IEC 320 C19	1794 x 46 x 55 (70.62 x 1.81 x 2.16)	3 years	AP8959, AP8959EU3
	3.0 (9.8)	(21) IEC 320 C13/C15, (3) IEC 320 C19/C21	1797 x 46 x 55 (70.74 x 1.81 x 2.16)	3 years	AP8959
	3.0 (9.8)	(21) IEC 320 C13/C15, (3) IEC 320 C19/C21	1797 x 46 x 55 (70.74 x 1.81 x 2.16)	3 years	AP8959, AP8959NA3
	1.8 (6)	(21) IEC 320 C13/C15, (3) IEC 320 C19/C21	1792 x 46 x 55 (70.55 x 1.81 x 2.16)	3 years	AP8961
	1.8 (6)	(21) IEC 320 C13/C15, (3) IEC 320 C19/C21	1829 x 86 x 55 (72 x 3.38 x 2.16)	3 years	AP8965
PE	2.0 (6.5)	(20) IEC 320 C13/C15, (12) IEC 320 C19/C21	1833 x 76 x 111 (72.16 x 2.99 x 4.37)	3 years	AP8966
PE	2.0 (6.5)	(42) IEC 320 C13/C15, (6) IEC 320 C19/C21	1833 x 76 x 111 (72.16 x 2.99 x 4.37)	3 years	AP8967
	3.0 (9.8)	(7) IEC 320 C13/C15, (1) IEC 320 C19/C21, (16) NEMA 5-20	1829 x 46 x 56 (72 x 1.81 x 2.20)	3 years	AP8970
	1.8 (6)	(21) IEC 320 C13, (3) IEC 320 C19	1792 x 46 x 55 (70.55 x 1.81 x 2.16)	3 years	AP8981
	1.8 (6)	(21) IEC 320 C13/C15, (3) IEC 320 C19/C21	1792 x 46 x 55 (70.55 x 1.81 x 2.16)	3 years	AP8981

9000 Series Switched Rack PDU Features

Next Generation Rack PDU featuring...

60°C Operating Temperature

Ability to operate in a maximum ambient air temperature of 60°C (140°F) at full load increasing reliability and availability even in today's high density deployments. Other models allow up to 45°C (113°F).



1% Metering Accuracy

Providing the same level of accuracy as a utility company meter by adhering to IEC 62053-21 class 1, 1% metering accuracy provides peace of mind to use these PDUs to bill based on power usage. In addition, the higher level of accuracy provides more precision for capacity planning and threshold alarm monitoring.



Gigabit Ethernet Connectivity

Provides Gigabit Ethernet to enhance and standardize network connectivity across all assets in the data center.



Hybrid Outlets

Available on select models, Industry first hybrid outlets allow 60°C operating temperature at full load, are fully compatible with standard C14 and C20 power cords, and future-proofed for implementation of higher temperature rated devices requiring C16 and C21 power cords.



High Retention Outlets

With no special power cords required, high retention outlets provide up to twice the holding force to reduce risk of accidental disconnect.

Wireless Connectivity*

Compatible with the optional APC USB WiFi Device (AP9834) for cableless connectivity over WiFi that speeds deployment and simplifies moves, adds, and changes.

*Coming soon. Expected to be available on units manufactured after March 2021.



32 PDU Network Port Sharing

Connect and manage up to 32 PDUs from one IP address to simplify and speed deployment while saving the cost required in having a dedicated network connection for each PDU.

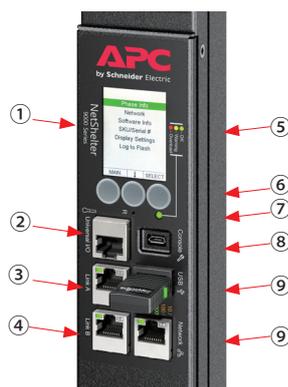


APC Network Management Card 3

- Color LCD Display
- Display aggregate current draw per PDU and much more!
- Enhanced cybersecurity with secured interfaces and modified password policy.
- Full-featured network management interfaces that provide standards-based management via Web, SNMP, and Redfish.
- Allows users to access, configure, and manage rack PDUs from remote locations to save valuable time.



items	function
① Color LCD Display	Display information about the Rack PDU. To change orientation, see Display Settings.
② T/H Sensor port	Port for connecting a Temperature/Humidity Sensor
③ In	RS485 port sharing connection
④ Out	RS485 port sharing connection
⑤ Load indicator LED	Indicates the status of the Rack PDU load and alarm levels



Item	Function	Description
⑥	Function buttons	Select / Scroll / Main menu buttons
⑦	Reset Button	Resets the network management interface without affecting the outlets
⑧	Console port	Connects the PDU to a local computer using a micro-USB cable (APC part number 960-0603 to configure initial network settings or access the command line interface (CLI))
⑨	USB	For use with flash drive for firmware upgrades. Can also download log files to flash drive.
10	Network Port	Connect the Rack PDU to your network using Cat5e+ network cable

Giving you the control of your rack IT equipment from the cloud to the edge

Switched Rack PDUs enable advanced, customizable power control and active monitoring, featuring:

- Power metering provides real-time remote monitoring of connected loads with alarms to warn of potential overloads.
- Users can access, configure, and control Switched Rack PDUs through secure Web, SNMP, and Redfish and are fully compatible with EcoStruxure IT.



User Friendly Web Interface

Remote Individual Outlet Control

Remotely manage outlets so users can turn outlets off that are not in use or recycle power to locked-up equipment (minimize costly downtime and avoid travel time to equipment).



Outlet control LEDs

Alarm Thresholds

Define alarm thresholds in order to avoid overloaded circuits. Network and visual alarms inform the user of possible problems.



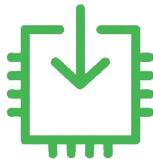
Multi-tier User Access

Supports up to four access levels - Administrator, Device User, Read-Only User and Network-only User - with user name and password requirements.



Flash Upgradeable

Quickly and easily upgrade firmware via network download for future product enhancements. Eliminates the need to replace products already installed in the field when new features are released.



Outlet Power Sequencing

Allows users to configure the sequence in which power is turned on or off for each outlet. This helps avoid in-rushes at start-up, which can cause overloaded circuits and dropped loads. Sequencing also allows users to predetermine which piece of equipment is turned on first so other equipment dependant on that unit will function properly.



Rack Mountable

Vertical toolless-mount for fast installation. Puts power where it is needed most - in the racks near the equipment. Seamless with APC NetShelter and most 3rd party racks.



Available Accessories, Services, and Extended Warranty



Temperature & Temp./Humidity Sensors

AP9335T / AP9335TH

Environmental sensor with 4-m (13ft) cable and RJ45 connector that monitors temperature and humidity in your Data Center or Network Closet



Wireless Network Adapter

AP9834 APC USB WiFi Device

Communication support accessory for 9000 Series Rack PDUs. Use for cableless connectivity over WiFi that speeds deployment and simplifies moves, adds, and changes.



Locking Power Cords

Assortment of locking power cords

Locking IEC power cords provide a mechanism to secure power cord connections to the Rack PDU when used with any AP8000 or APDU9000 Series Rack PDUs and prevent accidental disconnects.



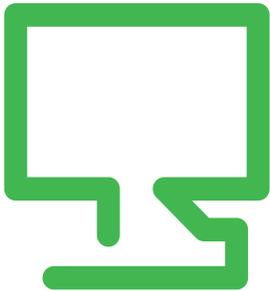
Extended Warranty

1 year extended warranty to add to 3 year standard factory warranty for a total of 6 years

This service extends the security and protection provided by your factory warranty and ensures your product will be repaired or replaced if necessary at no additional charge.

- WEXWAR1YR-AC-03 & WEXWAR1YR-AC-04

Life Is On



Explore. Select. Configure.

Rack PDU Landing Page:
apc.com/rackpdu

Sketchfab 3D Model:
<https://skfb.ly/6UELv>

Test drive a 9000 Series Switched Rack PDU at:
testdrive.apc.com

Select a Rack PDU with the Rack PDU Selector at:
apc.com/tools/selector/pdu

Configure a PDU with a Complete Solution in Design Portal:
designportal.apc.com

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