

FEATURES

- High-efficiency power supply providing +5 V and +24 VDC outputs with 85 to 264 VRMS AC input continuous operation
- Compact size fits NC2000 node platforms for RD4111 Remote PHY Device (RPD)
- Up to 86 W maximum load
- Input and output voltage test points
- Hot swappable

The PS4103 is a high performance, high efficiency power supply designed for use in NC2000 nodes and will support the deployment of the RD4111 3-slot Remote PHY module. The PS4103 operates from standard AC mains with an input voltage range between 100–240 VAC providing DC outputs at +24.0 and +5.0 Volts.

Features include hot swap capability, current limit, continuous short circuit, and over voltage protection. The module supports monitoring via Opti-Trace® software to report model and serial number plus input and output voltage levels.



Cable not included

SPECIFICATIONS

Characteristics	Specification
Physical	
Dimensions	6.0" D x 2.48" H x 3.37" W (15.24 cm x 6.3 cm x 8.56 cm) plus cable 13.3" (33.78 cm)
Weight	2.0 lbs. (0.907 kg)
Environmental	
Operating Temperature Range	-40° to +60°C (-40° to +140°F)
Storage Temperature Range	-40° to +85°C (-40° to +185°F)
Humidity	5% to 95% non-condensing
Electrical	
AC Input	+85 to +264 VRMS (quasi-square wave). Auto-switching not permitted.
Input Frequency	50/60 Hz
Output Currents	Any combination of output power loads is acceptable up to the maximum rated power. Individual voltage currents must not exceed their stated maximums.
Output Voltage/Power	Up to 86 W maximum load
24 V ± 0.5	3.6 A Minimum (no load on 5 V); 3.1 A Minimum (3 A on 5 V); 2.75 A Minimum (4 A on 5 V)
5 V ± 0.25	3.0 A Minimum (3 A on 5 V); 4.0 A Minimum (4 A on 5 V)
General	
	Hot Swappable
Overvoltage	Overvoltage, over temperature and short circuit with auto reset
Surge	6 KV minimum per SCTE
AC Input Connector	5-pin male
DC Output Connector	8-pin female
DC Output Cable Assembly Length	13 ± 0.50 in (33.02 cm)
AC Monitor Twisted Pair	13 ± 0.20 in (33.02 cm)
Test Jacks	24 V and 5 V
Regulatory Compliance	
	IEC/IEC 62368-1; C/US 62368-1

ORDERING INFORMATION

Model Name	Description
PS4103-00	85–264 VRMS AC input power with +24 and +5 VDC outputs for NC2000 and RD4111 RPD applications.

RELATED PRODUCTS

Digital Return Transmitter	Optical Patch Cords
SFPs	Optical Passives
Fiber Service Cable	Installation Services

Contact Customer Care for product information and sales:

- United States: 866-36-ARRIS
- International: +1-678-473-5656

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Note: Specifications are subject to change without notice.

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