ACION 8000 Series

A8KDPS
DC Power Supply
(-48VDC input)

ACI Communications, Inc. ®

Overview

A8KDPS is a DC power supply module for the ACION 8000 optical head-end transmission platform. One power supply can support up to 12 application modules and the output power is 220 Watts.
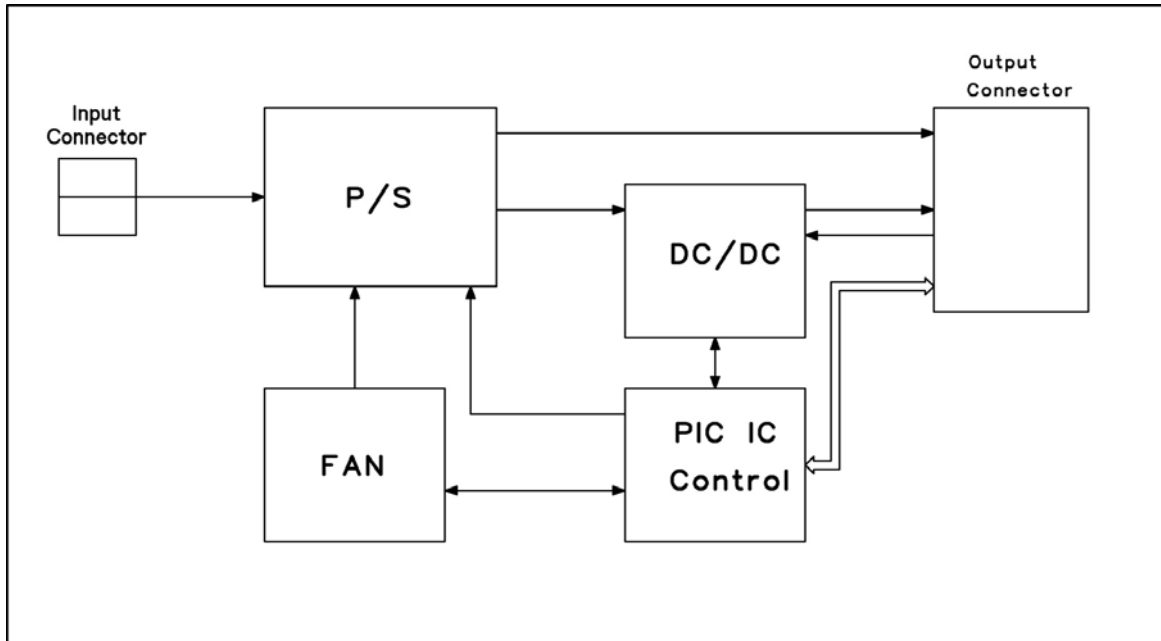
The redundancy and load sharing function is available with two power supplies installed.

The power supply module provides hot-swap function. There are two built-in cooling fans for sufficient heat dissipation. Power supply status is shown by LED in front of the module and remote monitoring and control is possible through SNMP or HMS.
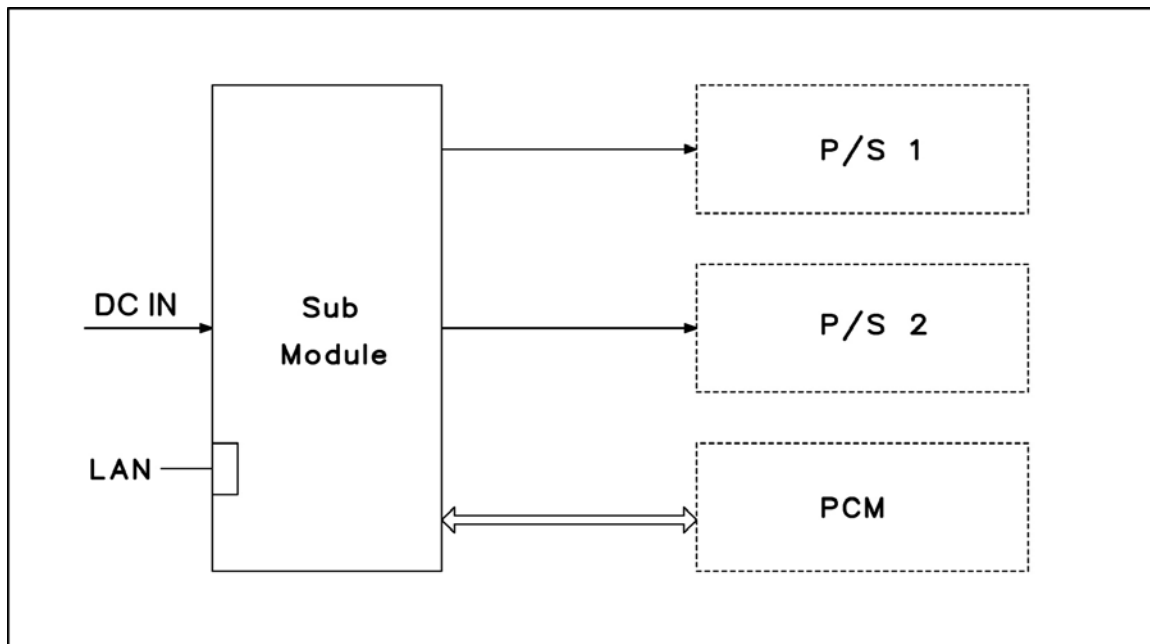
Features

■ Redundant power supply and load sharing (option with 2 power supplies)

■ Max input power range from -40 to -60 VDC

■ 220 Watts output power capable

■ Hot-swappable

■ Two built-in cooling fans

■ Remote monitor and control function by HMS or SNMP

■ One power supply can support up to 12 application modules

■ Operating temperature from 32 to 122 °F (0 to 50 °C)
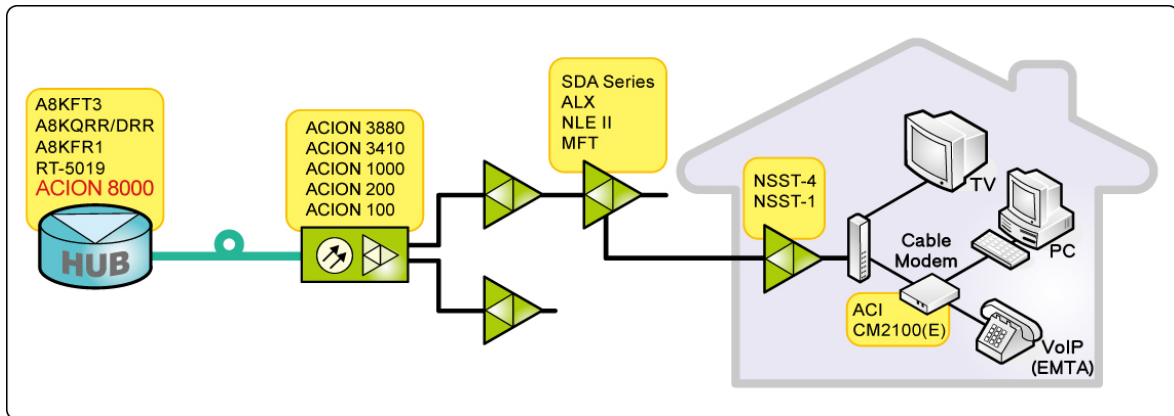
Block Diagram

Power Supply Block Diagram

Connection to Input Sub Module

Application

Specifications

ACI Communications, Inc.	ACION 8000 Series A8KDPS DC Power Supply (-48VDC input)				
PARAMETERS	CONDITIONS	UNITS	SPECIFICATIONS	NOTES	TRUE reference
Input Specifications					
Input Voltage	DC	V	-40 to -60		
Output Specifications					
Output current	+24VDC	A	8.4		
	+5VDC	A	3.6		
Output power	Max.	W	220		
Output voltage ripple	Peak to peak	mV	100		
Power Factor	Max.	%	95		
Efficiency	Max.	%	82		
General Specifications					
Module width		slot	2		
Dimensions	D X H X W	In (mm)	14.2 x 4.9 x 1.6 (359 x 123 x 40)		
Weight		lbs (kg)	3.3 (1.5)		
Operating Temperature		℉(℃)	32 to 122 (0 to 50)		
Relative humidity		%	0 to 95		

Ordering Matrix

A8KDPS Configuration Sheet
Customer: _____

Created By: _____ Order Date: _____

Position	1	2	3	4	5	6	7	8	9	10
PART NUMBER	A	8	K		P	S	-			

4 [ ]   Input Voltage type
   D = DC input

5,6 [P][S]   Power Supply

8,9,10 [ ][ ][ ]   Typical Input Voltage
   N48 = - 48 Volt

NOTES:

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