

LaserPlus: DC Power Supply Module (LP-PS-DC)

1 GHz HIGH DENSITY COMPACT CATV OPTICAL TRANSMISSION SYSTEM

Features / Benefits

- DC (48 VDC) power supply module to provide +5 V_{DC} to application modules
- Each chassis requires one power supply to power one fully-loaded chassis
- Each chassis accepts a second optional power supply for hot failsafe backup
- Mix-and-match DC and AC modules in the same chassis for maximum redundancy
- Power supplies are fully isolated, eliminating single source of power failure
- Front Panel status LEDs: Power, Chassis Temperature, Summary Alarm for modules
- Single-slot width, plug-in, front-access design features hot-swap module capability
- Chassis-based plenum with four large fans creates more airflow & better reliability than module-based fans; if fan failure occurs, power supply remains in operation

Specifications



ELECTRICAL, ENVIRONMENTAL & MECHANICAL PARAMETERS:

Dimensions	4.5" H x 1.125" W x 8.75" D (11.4 cm x 2.9 cm x 22.2 cm)
Weight	1 lb (0.454 kg)
Operating Temperature Range	0°C to +50°C (+32°F to +122°F) (Air temperature measured at air inlet of Model LP-CH-16 chassis)
Humidity Range	to 95% non-condensing (Recommended for use only in non-condensing environments)
Mounting	Model LP-CH-16 LaserPlus Chassis
Module Slots	One slot width: #16=power supply; #15=apps or redundant PS
Powering	Output: 5.25V _{DC} per module; Input: ±48V _{DC} (36V _{DC} to 75V _{DC} isolated) < 150 Watts
Protection	QTY 2: 8A 250V 5x20mm fuse [Littelfuse PN# 217.008]

POWER SUPPLY INTERFACES:

Input Connector	3-wire Molex connector
Status Interface	(Functions Monitored) DC Voltages, Internal temperature LED Indicators (Green/Red) Voltage Presence; Temperature Alarm; Slots 1-16 Summary Alarm

All specifications are subject to change without notice