

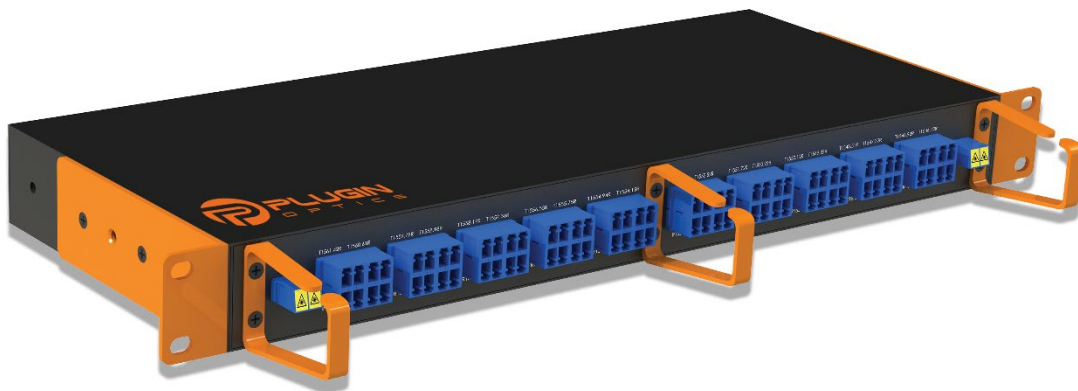
**P/N: PLO-11DG-AAAA-LC**  
**40 CHANNEL DWDM GAUSSIAN, 1RU RACKMOUNT**

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### INTRODUCTION

This document provides general specifications and installation guidelines for the PlugIn Optics 40 channel DWDM Gaussian Filter Chassis. For more details specifications please refer to the product bulletin or contact us with any questions you may have about the product or its installation.



### 23-INCH MOUNTING BRACKETS

- Mounting brackets for a 23-inch rack deployment are installed prior to shipment.
- Installation Materials: Qty 4, Phillips Head 10-32 and Qty 4, 12-24 mounting screws.

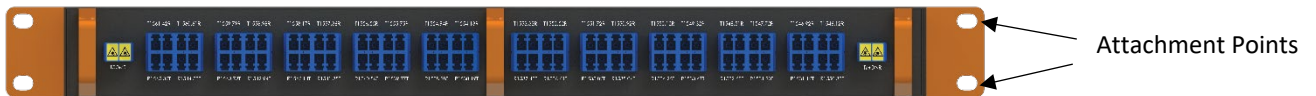


## 23-INCH TO 19-INCH CONVERSION

- Remove the Qty 2, Phillips Head screws currently securing the 23-inch bracket on one side of the chassis.
- Complete the same process for the other side of the chassis.



## 19-INCH RACK MOUNTING

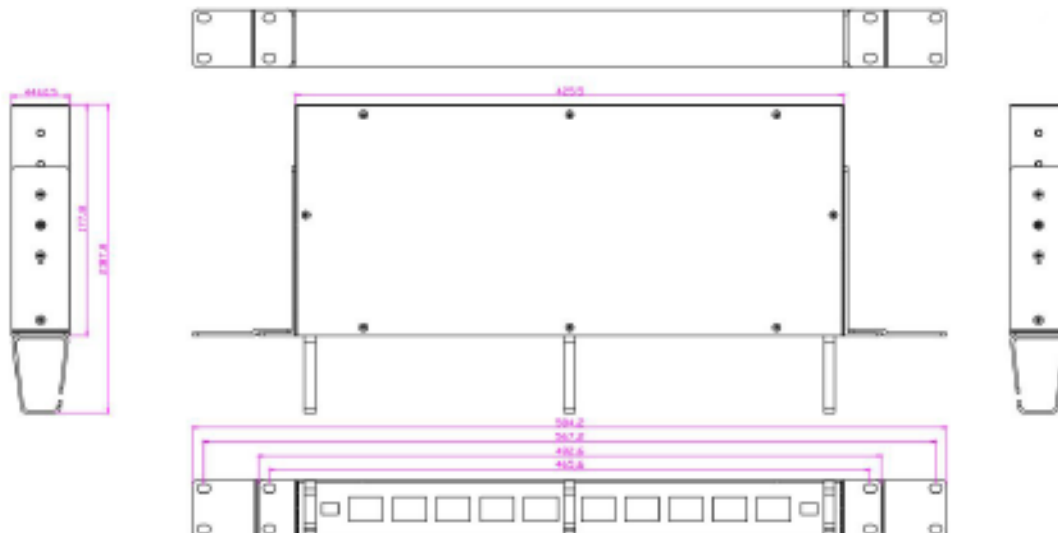


## INSTALLATION

- Lift chassis into position in the rack and hold it securely.
- Insert a mounting screw at the top attachment point on each bracket, partially fasten the screws, and then insert and partially fasten a mounting screw at the bottom attachment point on each bracket.
- Fully fasten each mounting screw until the chassis is securely installed in the rack. Do not overtighten the screws. Installation is now complete.

## PHYSICAL DIMENSIONS

General Dimensions in millimeters.





## GENERAL SPECIFICATIONS

TECHNICAL SPECIFICATIONS			
DESCRIPTION	UNITS	SPECIFICATION	
NUMBER OF CHANNELS	Ch	40ch DWDM	
OPERATING WAVELENGTH	nm	1260-1620	
DWDM CHANNEL SPACING	nm	100	
DWDM WAVELENGTHS	nm	1520-1570	
MONITOR WAVELENGTHS	nm	1260-1620	
PASSBAND: DWDM CHANNELS	nm	ITU ± .11	
INSERTION LOSS INCL. CONNECTORS	dB	MAX	TYP
COM TO CH, CH TO COM	dB	4.0	3.5
MONITOR	dB	19	22.3
DIMENSIONS (H X W): FACEPLATE	mm	44 x 482.6	
DIMENSIONS (H X W X D): OVERALL	mm	44 x 250 x 482.6	
OPERATING TEMPERATURE	°C	-5 ~ +65	
STORAGE TEMPERATURE	°C	-40 ~ +85	
FIBER TYPE	/	SMF 28	
CONNECTOR TYPE	/	LC/UPC	

## INSTALLATION SUPPORT

If you run into any issue or have any questions about this or any PlugIn Optics solution please feel free reach out to us via phone or email and contact us any time or you can simply use the camera on your smartphone to scan the QR code below to get all of the latest product specs, review applications or even submit a contact ticket for support.

### PlugIn Optics Customer Support

Contact us by phone @ (561) 612-5703

Or via email: [cx@pluginoptics.com](mailto:cx@pluginoptics.com)



Install Support

## ORDERING INFORMATION

The table below contains the ordering information for this kit and complimentary solutions often ordered with this kit. If you have any questions feel free to call the support number listed above or email us at [sales@pluginoptics.com](mailto:sales@pluginoptics.com) for more information.

ORDERING INFORMATION	
DESCRIPTION	DESCRIPTION
PLO-11DG-AAAA-LC	1RU, 19-23 INCH, 40 CHANNEL DWDM MUX-DEMUX, GAUSSIAN, ITU CH 20-59, 1561.42 - 1530.33, 2% MONITOR, LC-UPC
NOTE: FOR LINEAR, DROP AND CONTINUE APPLICATIONS, SEE OUR LGX 1-2-4-8 CHANNEL DWDM FILTER SOLUTIONS.	

## SAFETY NOTICES

It is important to follow company and local safety guidelines when handling fiber optic cables. Never look into the end of a fiber jumper or cable in the presence of laser light. Exercise extreme caution when installing, testing, or maintaining live circuits. If eyes are exposed to laser light or radiation occurs, immediately seek treatment by a medical professional as exposure is a substantial risk of serious damage to the eye and can result in total vision loss!

Fiber cables and fiber cleaning solvents may contain hazardous or harmful materials. Refer to the Material Safety Data Sheet (MSDS) when working with cleaning solvents or similar products. Also, Fiber optic glass fragments can very sharp and can be harmful to skin and eyes so be sure to exercise extreme discipline when handling fibers, cables and solvents. Use company standard procedures to collect and dispose of glass shards and fragments.

When working around the job site, it is important to use all safety equipment recommended by your company. Items like laser safe protective eyewear, work gloves, steel toe boots and tools in good working order can be the difference between finishing the job in good health, without injury, and with your eyesight.

