

# GP750 FIBER OPTIC TEST PLATFORM

The GP750 is a modular rack mount system designed to automate fiber optic testing, and can be made with combinations of fiber optic switches, variable optical attenuators, tunable optical filters and other optical components.



## PLUG AND PLAY MODULARITY

The GP750 can accommodate up to eight hot swappable, plug-and-play optical modules. This allows optical modules to be added or changed as test requirements change in the future.

## INTUITIVE FRONT PANEL

The status of every optical module is displayed in a graphical window, and the user can intuitively navigate to every optical component to review the status or manually change the state.

## ETHERNET, GPIB OR RS-232

The GP750 can be automated through the Ethernet, GPIB or RS-232 port. Control is via simple text commands, making it easy to embed control into a larger automation program.

## GP700 EMULATION MODE

The GP750 can be operated in a GP700 emulation mode. This makes it possible for the GP750 to be used in place of a GP700 with no changes to an existing automation program.



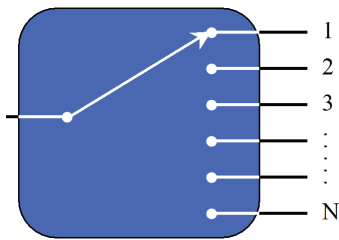
# GP750 FIBER OPTIC TEST PLATFORM

## OPTICAL MODULE OPTIONS

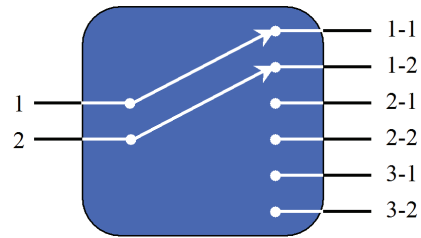
A wide array of optical modules are available for the GP750, with either standard or custom options such as special fiber types, wavelength ranges, etc. In addition, different components can be combined together to create custom configurations.



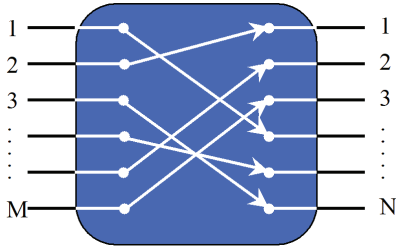
1XN SWITCH



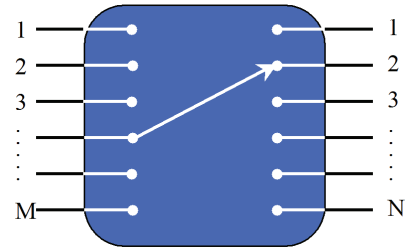
DUPLEX SWITCH



MATRIX SWITCH



MXN BLOCKING SWITCH



2X2 SWITCH



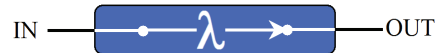
ON-OFF SWITCH



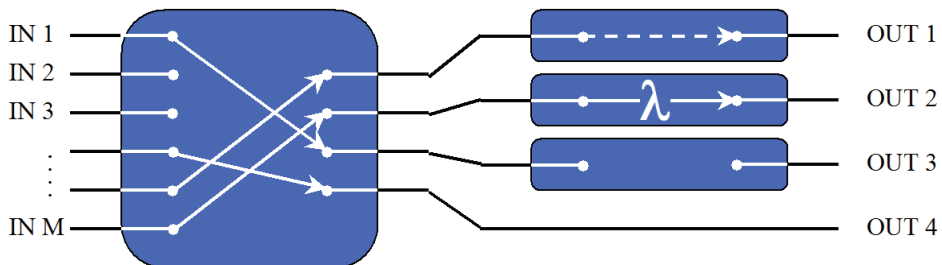
VARIABLE ATTENUATOR



TUNABLE FILTER



CUSTOM CONFIGURATION EXAMPLE



# GP750 FIBER OPTIC TEST PLATFORM

## ENVIRONMENTAL SPECIFICATIONS

PARAMETER	RATING
Operating Temp	0 to 50 °C
Storage Temp	-20 to 60 °C
Humidity	-40 C, 90% RH, 5 days

## INTERFACE SPECIFICATIONS

PARAMETER	RATING
Control	Manual, GPIB, RS232, Ethernet
Display Type	TFT LCD
Display Size	72 x 52.6 mm
Display Resolution	640 x 480
Video Output	VGA

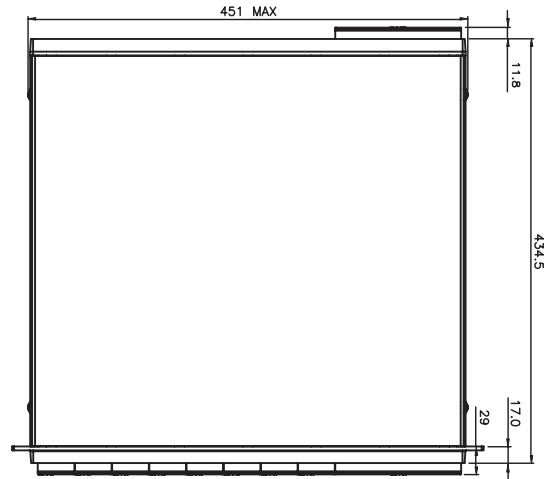
## MECHANICAL DIMENSIONS

PARAMETER	RATING
Chassis Type	19" 4U Rackmount
Chassis Dimensions	483 x 178 x 458 mm
Plug-In Module Slots	8
Plug-In Module Access	Front or Rear

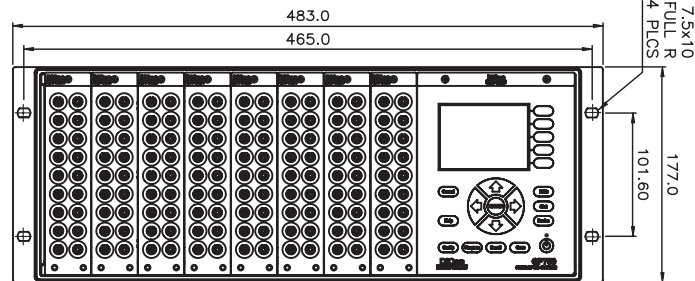
## ELECTRICAL SPECIFICATIONS

PARAMETER	RATING
Input Power	250 VA max.
Input Voltage	90 - 264 VAC
External Fuse	2 A typ.
AC Input Leakage Current	3.5 mA max.

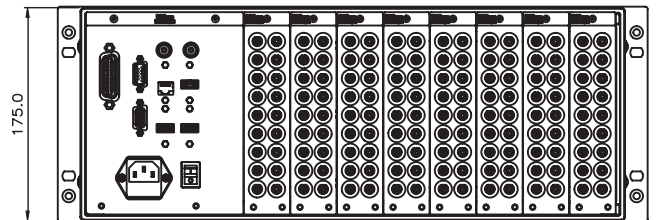
## TOP VIEW



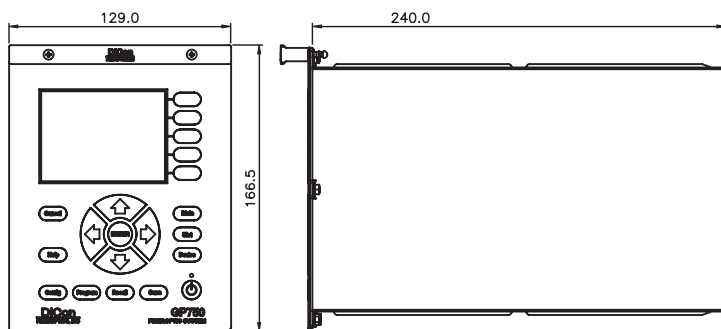
## FRONT LOADING CHASSIS



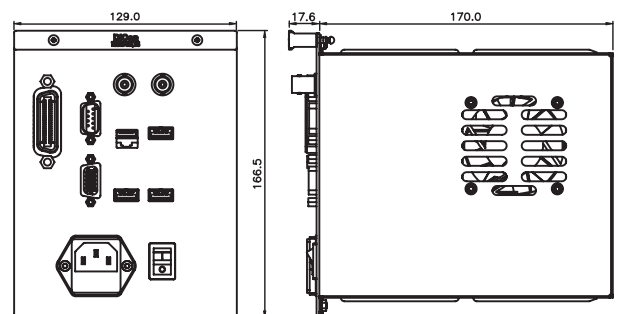
## REAR LOADING CHASSIS



## CONTROL MODULE



## POWER MODULE



# GP750 FIBER OPTIC TEST PLATFORM

## ORDERING INFORMATION

The GP750 includes a 4U chassis with front or rear optical plug-in module access, a control module and a power module, as well as up to 8 optical plug-in modules. To order, please include:

- 1 GP750 Chassis (Ex: GP750-4U-FRONT)
- 1 Controller Module (Ex: GP750-4U-CTRL)
- 1 Power Module (Ex: GP750-4U-PWR)
- Up to 8 Optical Plug-In Modules

## Sample Order

For a front loading GP750 system containing two 1x16 switches and one 16x8 3D matrix switch, the following would need to be ordered:

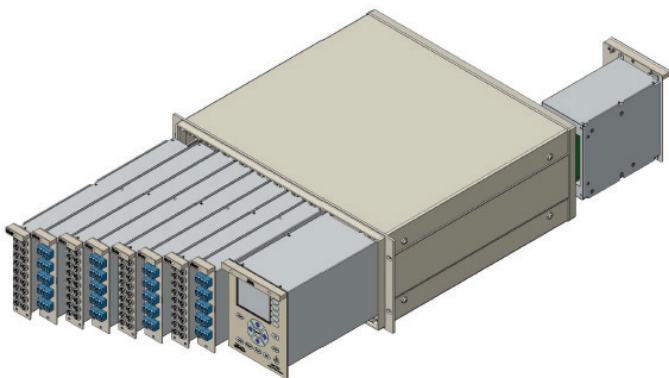
Qty 1 of GP750 Chassis  
P/N: GP750-4U-FRONT

Qty 1 of GP750 Control Module  
P/N: GP750-4U-CTRL

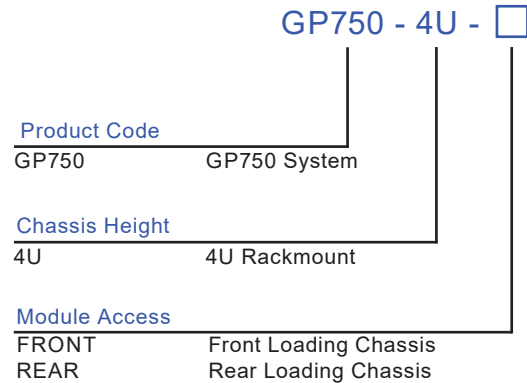
Qty 1 of GP750 Power Module  
P/N: GP750-4U-PWR

Qty 2 of GP750 1x16 Switch Module  
P/N: GPM-1S-1/1x16-15-9-FC/APC

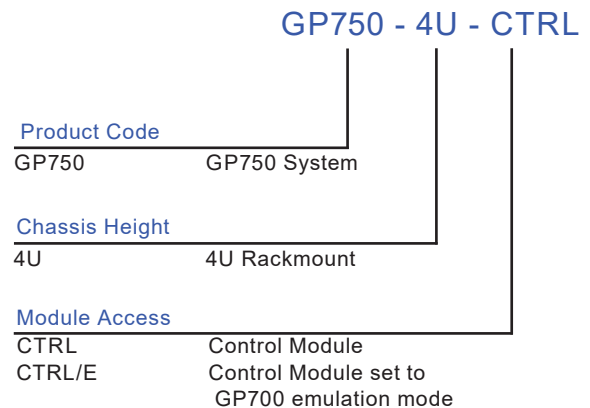
Qty 1 of GP750 16x8 3D Matrix Switch Module  
P/N: GPX-2S-16x8-15-9-FC/APC



## GP750 CHASSIS

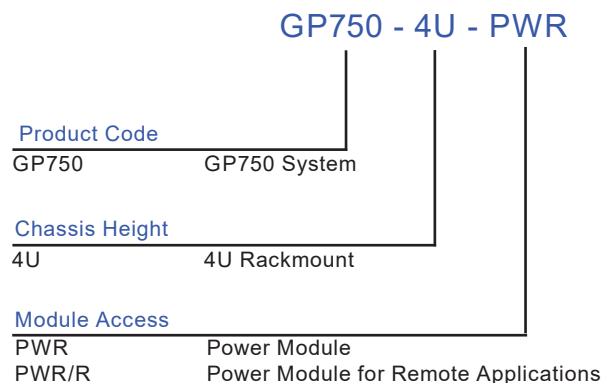


## CONTROL MODULE



*The CTRL/E option indicates the GP750 will be set to GP700 emulation mode. GP700 emulation mode can be turned on or off at anytime.*

## POWER MODULE



*The PWR option is for standard GP750 applications. With this option the GP750 will be turned on/off by pressing the soft power button on the control module.*

*The PWR/R option is intended for remote applications. With this option, the soft power button on the control module will be disabled, so that the GP750 can be powered on/off by either supplying or removing AC power.*