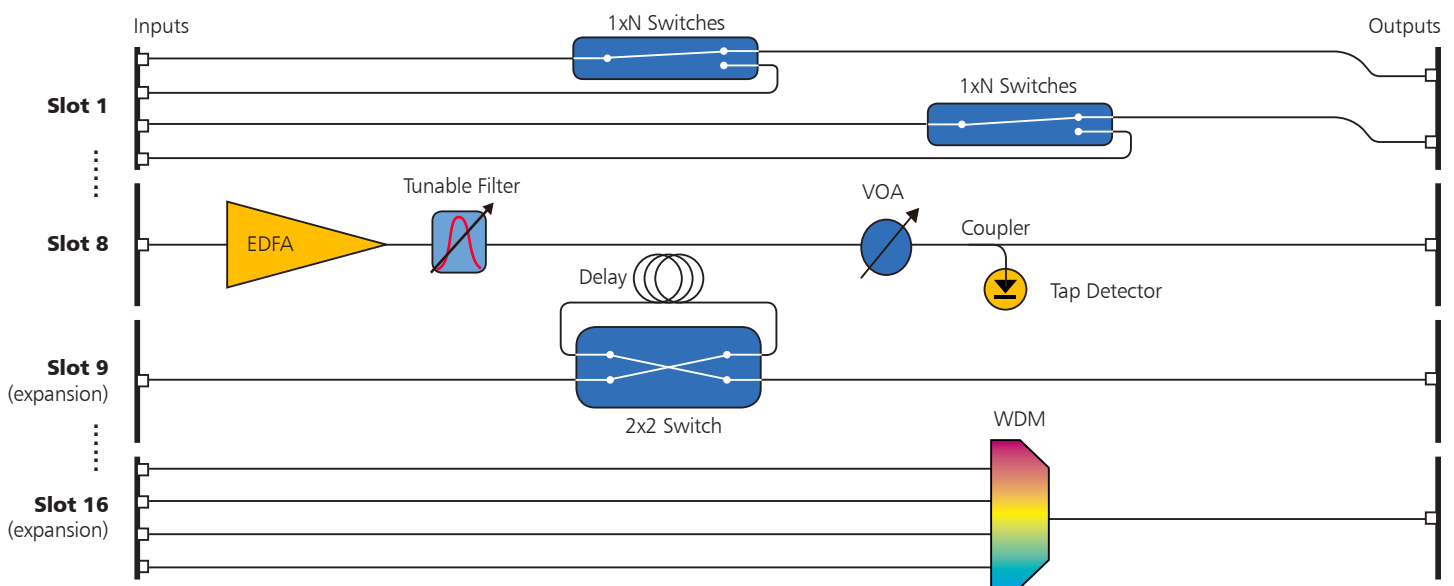# GP850 GENERAL PURPOSE
EXPANDABLE TEST PLATFORM

DiCon's GP850 is a flexible, modular rackmount system designed to automate fiber optic testing. Up to eight plug-and-play slot cards containing various devices such as switches, VOAs, tunable filters, etc.. can be added or changed as test requirements change. The devices on and configuration of the slot cards can also be customized. An additional expansion chassis can increase the total slots to sixteen. Full control is simple and intuitive through a single interface.

FEATURES

• Plug and play modularity

• Full control via a single interface

• Wide selection of optical devices and slot cards

APPLICATIONS

• Test & Measurement

• Fiber Monitoring

• Commercial & Defense Networks

GP850 EXPANDABLE TEST PLATFORM

OPTICAL SPECIFICATIONS

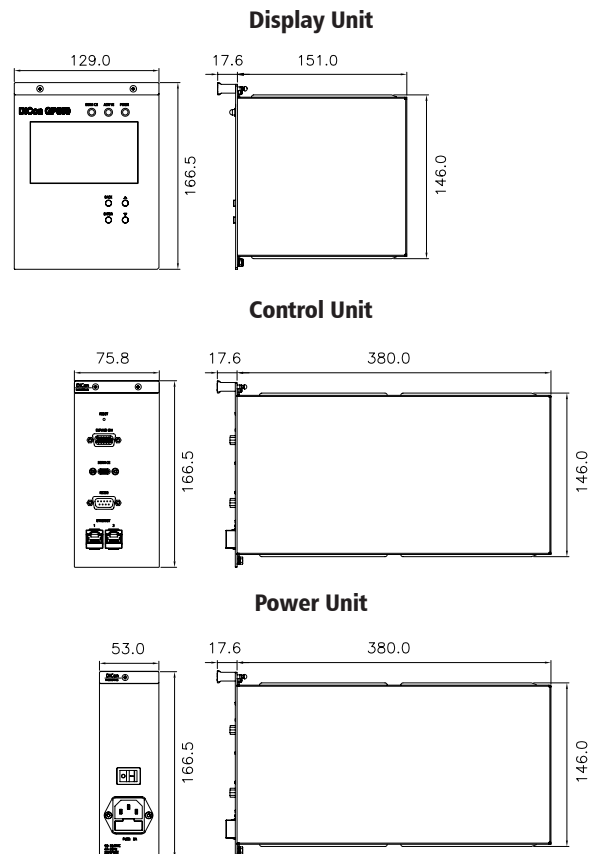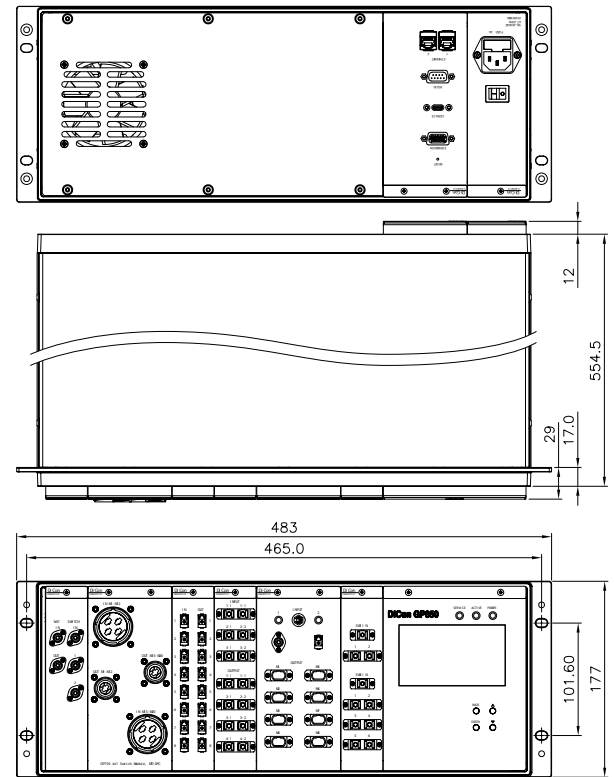| PARAMETER	RATING
Optical devices on slot card	Switch, VOA, tunable filter, WDM, detector, transceiver, optical amplifier, laser, fiber delay, and more
Operating wavelength (nm)	780 – 2300, other
Fiber type	SMF-28, OM4, Panda, other

CHASSIS SPECIFICATIONS

PARAMETER	RATING
Maximum number of slot cards	8 16 total with expansion chassis
Control Interfaces	Dual Gigabit Ethernet (RJ45 Female) RS-232 (DB9 Female)
Power Supply (Voltage AC)	90 – 265
Software Interface	REST API, Web GUI, Serial
Chassis Dimensions (mm/WxHxD)	4U Extended 483 x 177 x 554.5
Operating temperature (°C)	0 to 50
Storage temperature (°C)	-20 to 60
Environment Relative Humidity (%)	0 to 80 non-condensing
Fiber connectors	LC, FC, MTP, other

* Please contact DiCon Fiberoptics to discuss any special requirements not defined above.

MECHANICAL SPECIFICATIONS

Dimensions in mm

Display Unit

Control Unit

Power Unit

GP850 EXPANDABLE TEST PLATFORM

ORDERING INFORMATION

GP850 CHASSIS

GP850 – 4U – ☐

Product Code

GP850   GP850 System

Chassis Height

4U   4U Rackmount

Module Access

FRONT   Front Loading Chassis
REAR   Rear Loading Chassis

DISPLAY

GP850 – 4U – DISP

Product Code

GP850   GP850 System

Chassis Height

4U   4U Rackmount

Module Access

DISP   Display

CONTROL

GP850 – 4U – CTRL

Product Code

GP850   GP850 System

Chassis Height

4U   4U Rackmount

Module Access

CTRL   Control

POWER

GP850 – 4U – PWR

Product Code

GP850   GP850 System

Chassis Height

4U   4U Rackmount

Module Access

PWR   Power

The GP850 includes a 4U chassis with front or rear optical plug-in slot card access, a control unit and a power unit, as well as up to 8 optical plug-in slot card.
To order, please include:

1 GP850 Chassis   (Ex: GP850-4U-FRONT)
1 Display Unit   (Ex: GP850-4U-DISP)
1 Control Unit   (Ex: GP850-4U-CTRL)
1 Power Unit   (Ex: GP850-4U-PWR)
Up to 8 Optical Plug-In Modules

Sample Order

For a front loading GP850 system containing two 1x16 switches and one 16x8 3D matrix switch, the following would need to be ordered:

Qty 1 of GP850 Chassis
P/N: GP850-4U-FRONT

Qty 1 of GP850 Display
P/N: GP850-4U-DISP

Qty 1 of GP850 Control Unit
P/N: GP850-4U-CTRL

Qty 1 of GP850 Power Unit
P/N: GP850-4U-PWR

Qty 2 of GP850 1x16 Switch Module
P/N: GP8-M-1S-1x16-P-9-C-0-FC-N

Qty 1 of GP850 16x8 3D Matrix Switch Module
P/N: GP8-X-2S-16x8-P-9-C-0-FC-N