![EDGE Optical Solutions logo]

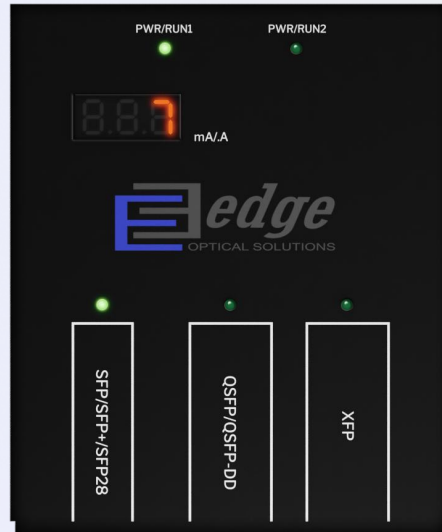**Product Data Sheet**

PB-SFP-XFP-QSFP-QSFP-DD
Programming boards

Up to QSFP-DD

Auto Programming

Displayed Current

LED Indicators

2x USB Cables

Password List

Product description

The EDGE Programming Board PB-SFP-XFP-QSFP-QSFP-DD is specially designed for the maintenance of optical and copper transceivers, as well as active and passive cables. The PB-SFP-XFP-QSFP-QSFP-DD comes with two USB cables: one for connecting to the power supply and the other for connecting the board to your computer. This programming board simplifies the management of your modules information, with features for current and EEPROM code visualization. The easy-to-use software can recode necessary transceivers in a short amount of time. It is compatible with most optical transceiver packages on the market, including SFP/SFP+/SFP28, XFP, and QSFP/QSFP-DD. The board supports transceivers with speeds ranging from 155 Mbps to 400 G. With a wide range of applications, excellent visualization effects, and auto-programming capabilities, it is simple to use and significantly enhances efficiency and reliability.
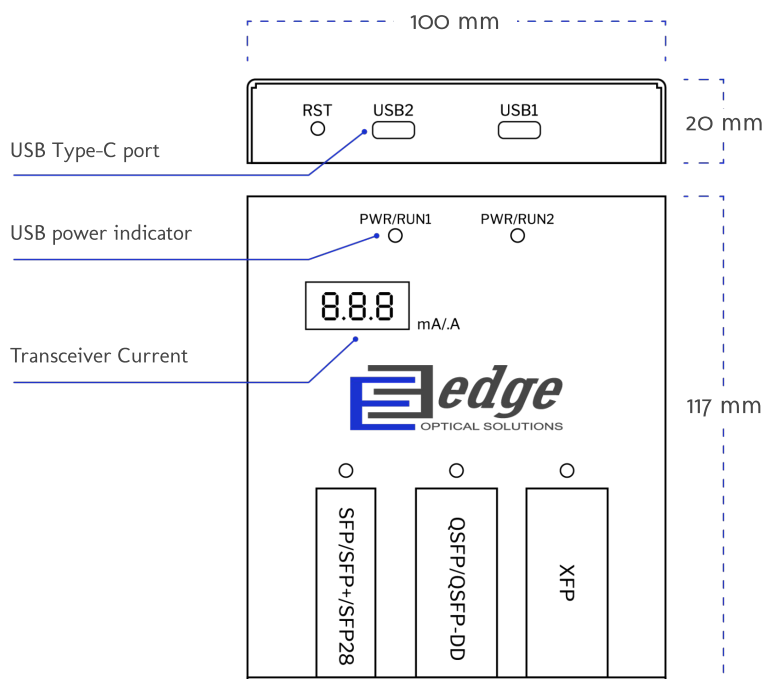
Product Specification:

Protocol	Compliance
SFF Specifications	SFF-8472, SFF-8431, SFF-8419, SFF-8436, SFF-8636, SFF-8679
QSFP-DD Specifications	QSFP-DD SMA R6.3, QSFP-DD CMIS R5.1

Interfaces	Module Type	Speed	Current
SFP	SFP / SFP+ / SFP28 / SFP Copper / SFP+ Copper	155M / 1G / 2G / 4.25G / 5G / 10G / 25G	0.1A to 1A
XFP	XFP	10G	0.2A to 1.5A
QSFP	QSFP+ / QSFP28	40G / 100G / 200G / 400G	0.03A to 4A
QSFP-DD	QSFP-DD	200G / 400G	0.03A to 4A
USB Type-C	Dual redundant USB design; Communicate with PC software; 5V power supply		
Reset	*"RST button"* - pressing the button will cause the system to restart		

LED Indicator	ON	OFF	FLASH
SFP / SFP+ / SFP28 LED	Have a link to module	The channel is inactive	The channel is active
QSFP / QSFP-DD LED			
XFP LED			
PWR / RUN1 LED	The USB power supply is normal, but the system is not running	No USB power supply	The system is running
PWR / RUN2 LED			
3 Digits 7 Segment LED Display	The numerical value represents the power supply current of the optical module. The unit is mA if there is no decimal point. The unit is A if a decimal point appears.		The USB power supply is insufficient and requires two USB power sources or increases the adapter power.

Operating temperature:	-10°~60℃	**Storage temperature:**	-40°~70℃
Relative humidity:	5%~95% (non-condensing)	**Case:**	Metal Case, Plastic Interface
Measurement:	107 × 98 × 21 mm	**Weight:**	290 g
Overload protection:	Support	**Power Input:**	USB*2 redundant +5V power supply
Full load power consumption:	<12W		

Mechanical Dimensions

*The dimensions are given in millimetres [mm]

Warranty

EDGE Optic's provides a limited warranty for **sixty (60) months** from Purchaser's receipt of the Equipment represented in this data sheet against defective design or workmanship.