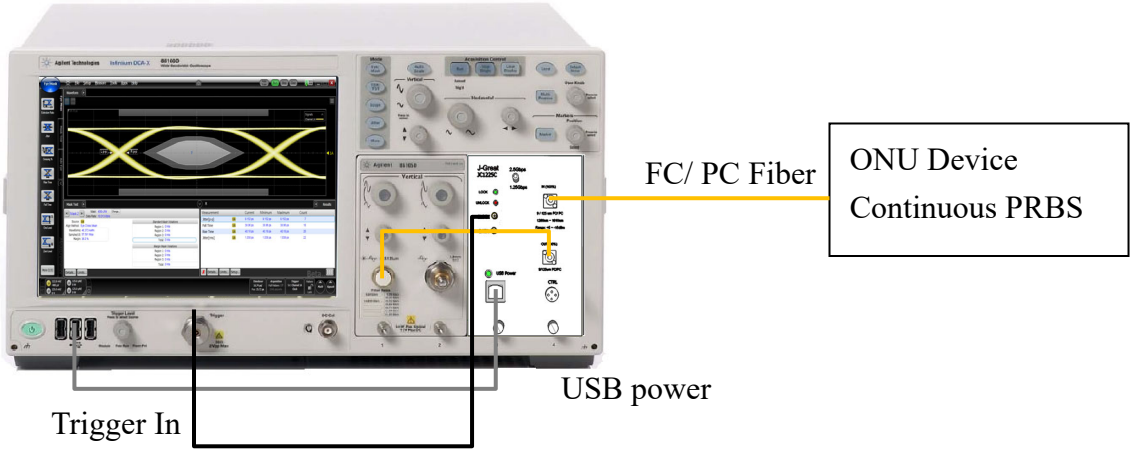
JC1225C GPON Clock & Data Recovery Kit

The main application of Clock & Data Recovery Kit is used for in–line transmit Eye diagram measurement, most of sampling scope such as Agilent 86100C/D + 86105C provides Optical Eye pattern measurement capacity, but it needs embedded clock trigger to synchronous the measurement results.

J-Great CDR module is the solution to collaborate with the sampling scope that helps recover the clock corresponded to the data stream. With internal coupler, it can generate the clock signal in Electrical path and split the same optical signal into sampling scope at the same time, The Loop bandwidth is to fit ITU standards that adopt for the jitter test requirement.



TEL：03-5507176 FAX：03-5507181 Email：sales@j-great.com

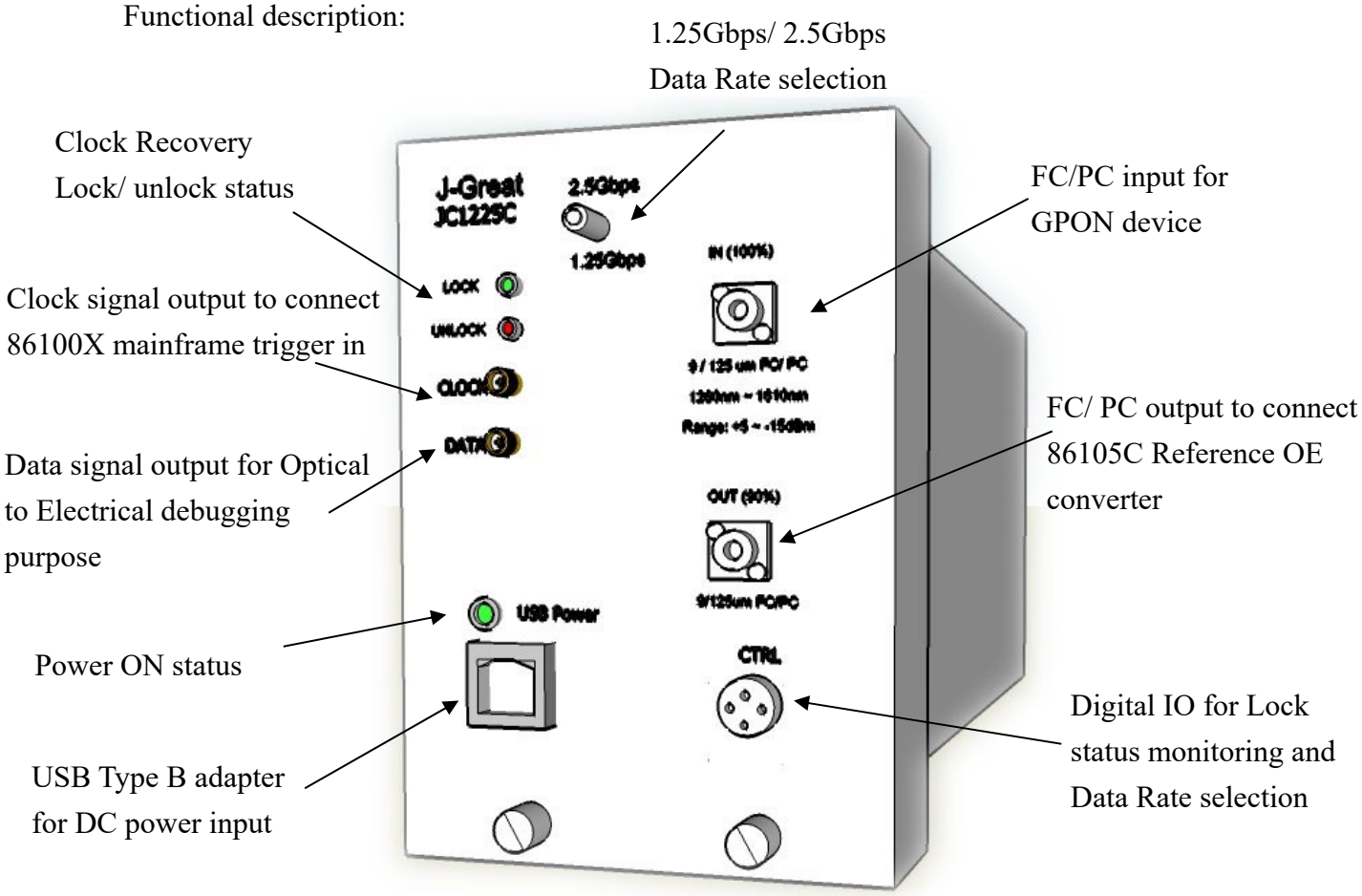
System specification:

Clock recovery	OC-24 1244.16M (1.25Gbps)/ OC-48 2488.32M (2.5Gbps)
Optical power range	+5 ~ -20dBm
Electrical Clock /Data out	400mVpp in typical
Electrical Impedance	50 Ohm in Typical
Optical Coupling ratio	10% (CDR) - 90% (Output)
Jitter Transfer Bandwidth	750KHz @ OC-24, 1500KHz @ OC-48
Jitter Generation	10m UI rms in typical @ OC-48 PRBS23-1
Optical In/ Out interface	FC/ PC 9/125um SMF
Electrical Output interface	SMA Female (Data/ Clock)
USB Power consumption	5V @ 400mA; 2W
Digital IO Control	3.3V LVTTL GND/ Status Ping / Data Rate select Ping.
Extension Date rate option	Optional 9.95328/ 10.3125Gbps (Please contact J-Great sales)

Recommend with:

Agilent/ Keysight 86100A/ 86100B/ 86100C/ 86100D Mainframe & 86103B/ 86105A/B/C Module

Functional description:



TEL：03-5507176 FAX：03-5507181 Email：sales@j-great.com