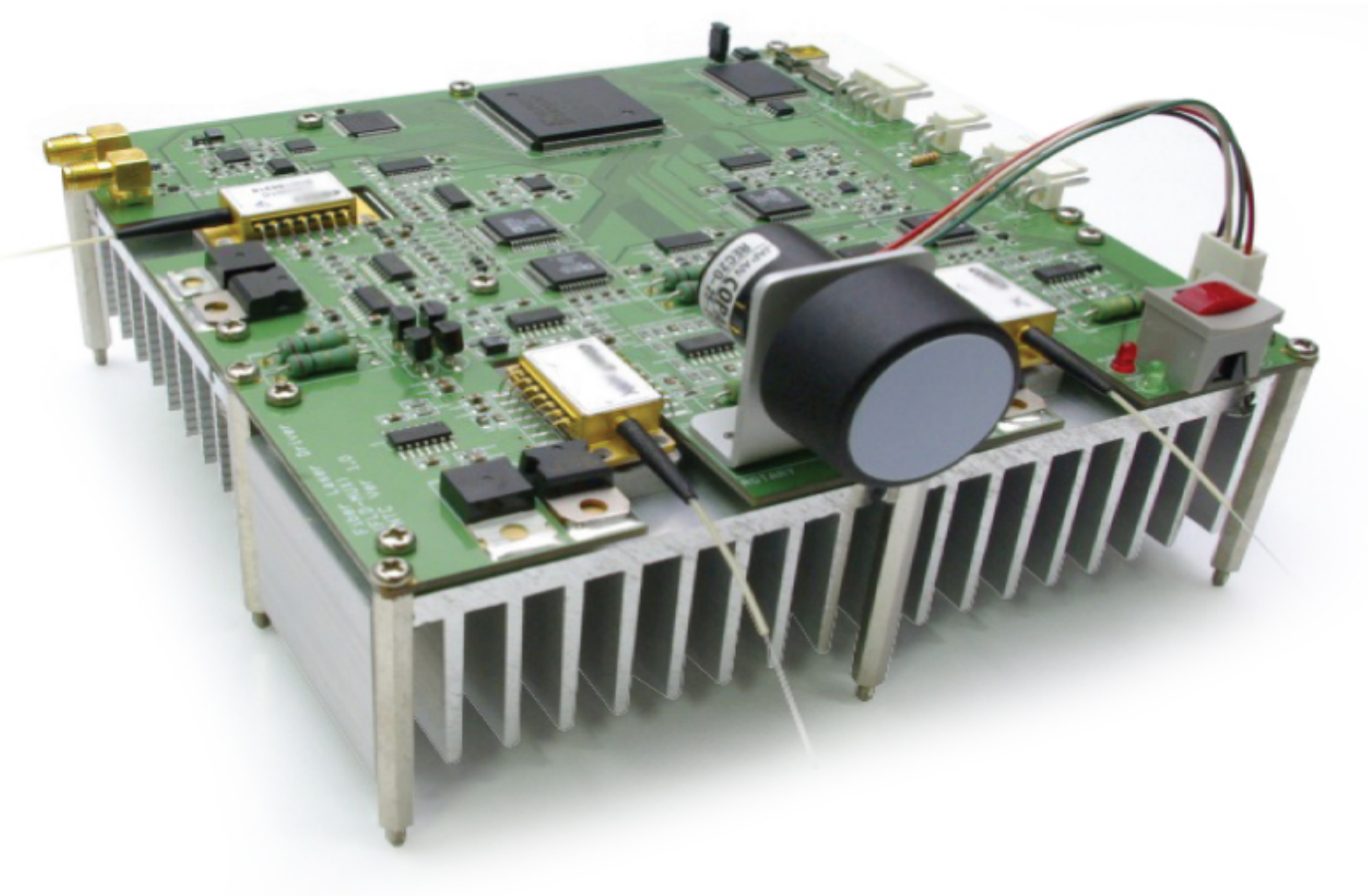


FLDM

Fiber Laser Diode Driver Mux

The total solution for the high power pulsed laser driver system .

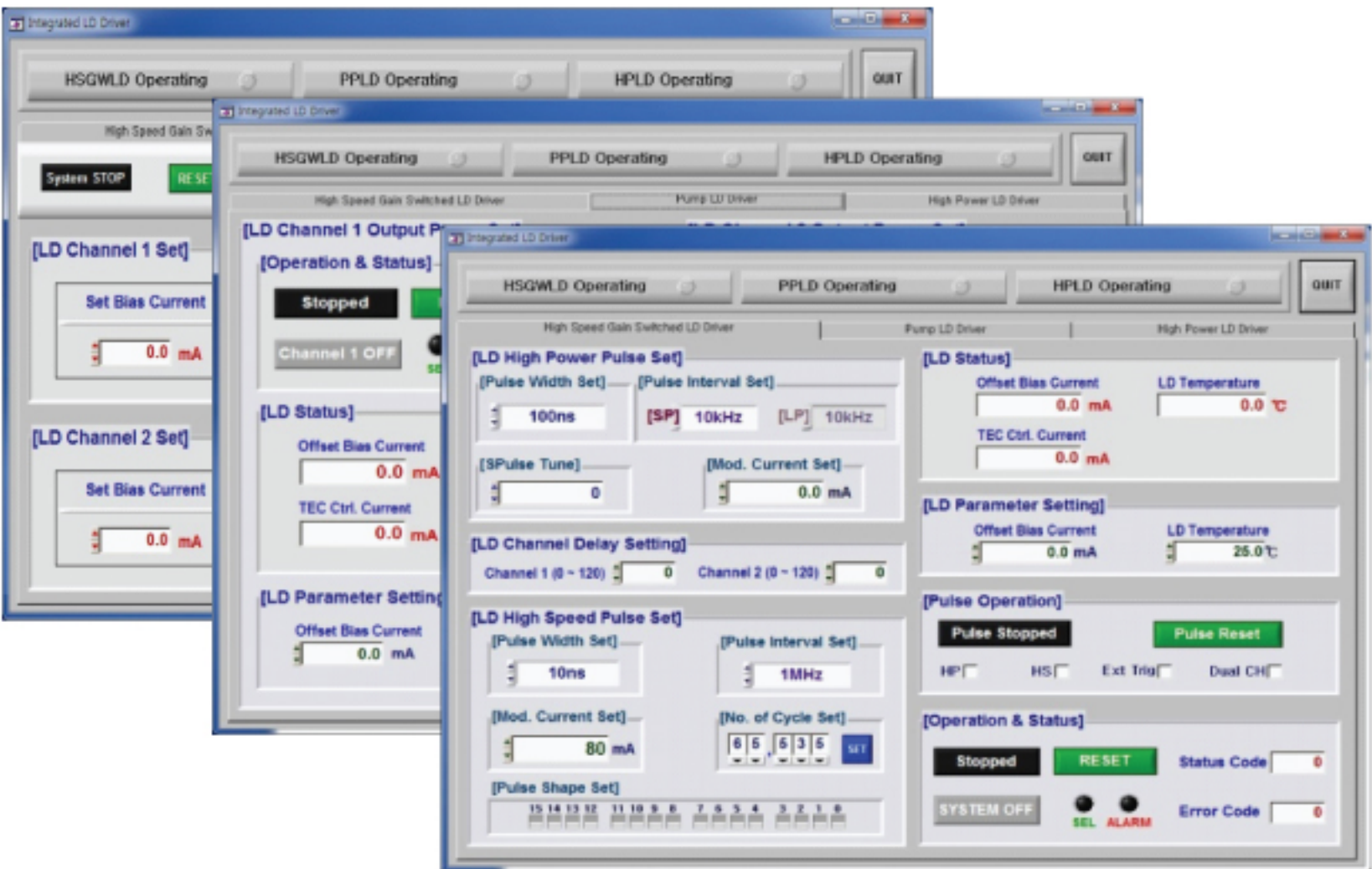
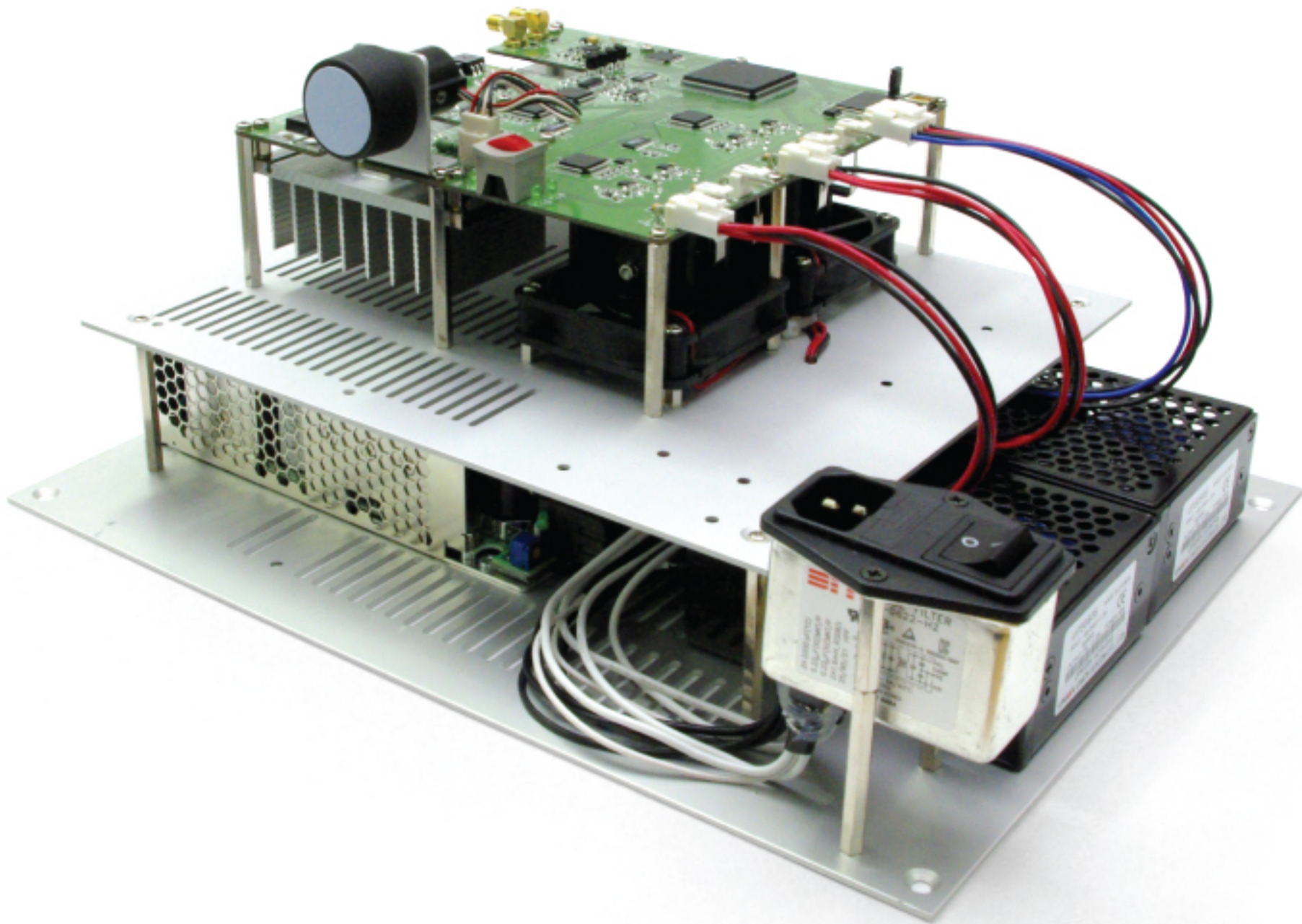


Applications

- Fiber laser diode driver
- Fiber laser pumping source driver
- Optical amplifier module driver
- Medical high power laser driver
- Industrial high power laser driver
- Laser lidar system
- Laser ladar 3D scanner

Features

- Integrated LD Driver Solution
 - 1 channel of Seed LD Driver (SLDD)
 - 1~2 channels of Pump LD Driver (PLDD)
 - 2~4 channels of High Power LD Driver (HPLDD)
- High current mode & High speed mode – SLDD
 - High current mode : Min. 2.5ns & Max. 1.2A
 - High speed mode : Min. 400ps & Max. 55mA
- Up to 1 Ampere offset current - SLDD, PLDD
- Up to 12 Ampere bias current – HPLDD
- Total laser output power of max. 100W – HPLDD



Specifications (For SLDD channel)

Parameters	Values	
	High Power Mode	High Speed Mode
LD Mount Type	14-Pin Butterfly Mount	
Pulse Width	2.5ns ~ 10us	400ps ~ 1us
Pulse Modulation Current	Max. 1.2A	Max. 60mA
Repetition Rate	1kHz ~ 20MHz	1kHz ~ 1.25GHz
Pulse Delay	5ns ~ 6.4us	-
Number of Superposition Pulse Channel	2	-
LD Offset Current	Max. 1A	
Temperature Control Range	15 ~ 40℃	
TE Cooler Current	±1.5A	
Optical Power Measurement	-65 ~ 10dBm (Option)	

(For PLDD channel)

Parameters	Values
Number of Channel	One or Two LDs (Individually controlled)
LD Mount Type	14-Pin Butterfly Mount
Operating Current	0 ~ 1000mA
LD Output Power	750mW(Pump LD)
LD Output Power Stability	±0.2mW(@23±3℃, after 1 hour warm-up)
Operating Temperature	15 ~ 40℃
Temperature Stability	± 0.1℃
TE Cooler Current	±1.5A

(For HLDD channel)

Parameters	Values
Number of LD	Two or Four LDs (Individually controlled)
LD Interface Connector Type	2-Pin Package Interface
LD Type (Power)	10W, 25W or Both
Operating Current	0 ~ 12A
Output Power per LD	10W or 25W
Total Output Power	0 ~ 100W
Operating Temperature	15 ~ 40℃