



HPL-1064-QT/1~20W

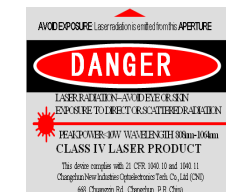
**WATER COOLING LD PUMPED  
ALL-SOLID-STATE Q-SWITCHED  
INFRARED LASER at 1064nm**

CNI's All solid state AOM Q-switched infrared laser at 1064nm features high peak power, high repetition rate, and short pulse duration, they are widely used in diamond cutting, carving, measure, science research, etc.



SPECIFICATIONS

Wavelength (nm)	1064±1	
Operating mode	Acousto-Optic Q-switched	
Transverse mode	TEM <sub>00</sub>	
Average power (W)	15W @5kHz	20W @10kHz
Rep. rate (kHz)	5~10 (It is possible to customize other repetition rates )	
Pulse duration (ns)	~70 @5kHz&15W	~110 @10kHz&20W
Ave power stability (over 4 hours)	<3%, <5%	
Beam divergence, full angle (mrad)	<2	
Beam diameter at the aperture (mm)	~1.5	
Warm-up time (minutes)	<10	
Beam height from base plate (mm)	61	
Cooled method	Water Cooled (Choose water chiller according to power)	
Power supply (220/110VAC)	PSU-HPL-Q & PSU-HPL-CW	
Operating temperature (°C)	15~35	
Expected lifetime (hours)	10000	
Warranty period	1 year	



HPL-1064-QT	PSU-HPL-Q	PSU-HPL-CW	Water Chiller
<p>546.5(L) ×338(W) ×141(H) mm<sup>3</sup>, 22kg</p>	<p>380(L) ×485(W) ×90(H) mm<sup>3</sup>, 7.5kg</p>	<p>288(L) ×482(W) ×90(H) mm<sup>3</sup>, 5.5kg</p>	<p>435 (L) ×560(W) ×760(H) mm<sup>3</sup>, 60kg 470 (L) ×565(W) ×900(H) mm<sup>3</sup>, 75kg</p>