

LARA

LidAr controller boArd

What is a LIDAR controller?

A LIDAR system is made up of several components working together to give high level of accuracy. A single controller board integrates a wide of independent hardware components simplifying user's action and providing many benefits, in particular in terms of signal-to-noise ratio.

LARA features

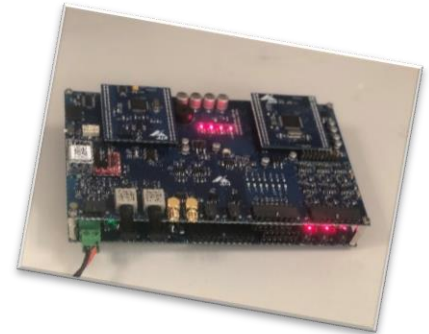
LARA is an exclusive LIDAR controller board, able to manage all type of LIDAR system (even if complex) with small factor technology, great performances and customization.

LARA is a

- low noise DC-DC converter
- laser controller
- detectors controller
- servo-motor controller
- sensor controller

Hardware and software are combined in a perfect match to perform the best users' experience and achieve the best results making easy even the most complex procedures.

It is provided with an intuitive and user-friendly software, running under Windows, allowing users to configure the board meeting all their needs to manage a LIDAR system in few and easy steps



LARA models

LARA is available in three models:

- *LARA Basic* for the most common multichannel LIDAR systems
- *LARA Advanced* for the most complex multichannel LDAR system
- *LARA Light* for very compact LIDAR systems.

Technical Specifications

	<i>LARA BASIC</i>	<i>LARA ADVANCED</i>	<i>LARA LIGHT</i>
COMMUNICATION			
RS232	✓	✓	x
ETHERNET	✓	✓	✓
USB	✓	✓	✓
OUTPUT			
12V@2A	4	4	1
5V@2A	1	1	1
5V@6A	1	1	x
OPTOISOLATOR 60V@5A	✓	✓	x
RELAY 2NO&NC 250V@5A	✓	✓	x
DETECTORS			
5V@2A	up to 6	up to 18	up to 4
ACTUATOR AND SERVOS			
SERVOMOTORS	up to 8	up to 16	up to 6
NTC	3	3	1
MEMS GYROSCOPE	✓	✓	x
TRIGGERS			
ELECTRICAL (20 HZ-2 KHZ)	2	2	1
OPTICAL	2	4	1