



## Picking made easy and accurate

PicDuino® is a fully wireless pick-by-light solution for warehouse picking and manufacturing processes (assembling, kitting).

### What is a pick-by-light solution?

Pick-by-light solutions enable a hand-free, paperless and simultaneous picking, reducing costs, improving productivity, and increasing accuracy. These systems use modules fixed to shelving, work benches, flow racks or other storage locations to direct the operator by a light signal to the right receptacle that contains the required part or product. A numeric display indicates the needed quantity. The operator can confirm the pick by activating a sensor or pressing a button.

### Our advantages

PicDuino® has several advantages over ordinary pick-by-light systems:

- ✓ PicDuino® modules operate completely wireless. This means no cable, easy and quick installation, and low costs.
- ✓ Optional 3D-sensor for automatic pick acknowledgment, with skeletal recognition and interference detection for a high accuracy.
- ✓ Induction switch for a high robustness and prompt input operation, also with gloves.
- ✓ Low energy technology. Over 1-year battery life at usual operation (1000 picks per day) with 2 standard AA 1.6V NiZn rechargeable batteries, or 1.5V Li batteries.
- ✓ Graphical editors for an easy and flexible system parameterization.
- ✓ Middleware for a smoothly and powerful integration with other systems like ERP and MES.

### PicDuino® Technical data

- ✓ 4 LEDs (red, green, blue white). High brightness for up to 10 m viewing distance (120° angle). Parametrized brightness and flash mode. Self-monitoring.
- ✓ LCD with 3 digits and decimal point.
- ✓ Induction switch with parameterized sensibility.
- ✓ Parameterized timeout.
- ✓ Automatic sending of warning events for low battery, timeout and LED flaw. All warning levels are parameterized.
- ✓ Supply of several measurements: signal strength, battery level, lightness, and temperature. PicDuino® can show these measurements on display or can send it to the system server.
- ✓ Extra-long battery life:
  - Standby state: about 10 years
  - Usual operation (1000 picks per day): over 1 year
- ✓ 3D sensor (automatic pick acknowledgment):
  - Depth sensing from .2 to 10 meters.
  - angular field of view: 91.2° x 65.5°.
- ✓ Star network architecture with a central computer (mini-PC).
- ✓ Number of PicDuino® modules per system limited only by the signal range (about 30m).
- ✓ Extreme robust and compact body housing (90x40x40mm).

