

Press Release

A new graphics board for designing HMIs with integrated video

CLAIRITEC is a French company that offers the market HMIs (Human Machine Interfaces) a complete solution for creating tailor-made projects.

The turnkey solution from CLAIRITEC allows you to design a graphic and tactile HMI in a small amount of time (4 weeks) and at a low cost.

Unique in the market and particularly innovative this solution allows manufacturers of all economic sectors (medical, security, automotive equipment, environment ...) to be able to quickly and easily integrate a HMI to control their systems.

All specificities of the CLAIRITEC solution are based on the graphic performance of the HMI boards developed by the company.

To meet new demand, CLAIRITEC has expanded its range of existing HMI boards to welcome the new IronGraph model.

Compatible with 100% of displays in the market, IronGraph supports resolutions from QVGA to SVGA (800x600 pixels).

Designed, manufactured and marketed in France by CLAIRITEC, IronGraph innovates by proposing **the management of real-time video analog** (NTSC, PAL, SECAM Composite) **or digital video** (Digital Video BT 601, BT 656).

Its onboard graphics engine can handle two graphics pages and a video page dynamically. The memory of the graphics engine is 16MB to 64MB for greater flexibility.

Communication protocols compatible with IronGraph are:

- RS232 series
- CAN 2.0B Series
- USB2 Mass Storage

The mechanical format of the board is compact (105mm x 70mm) and with a low power consumption (less than 500 mW) allows it to be easily integrated into a HMI project.

The use of the **IronGraph** board, just like all other boards in the range, requires no special knowledge but only the mastery of a set of commands (API functions in C language).

Finally, **IronGraph** also manages resistive or capacitive touchscreens.

Clairitec SARL

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SARL au capital de 400 000€
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CLAIRITEC's solutions include hardware, software and graphic services. It is developed from the existing business application and is used to design a high quality HMI for color LCDs from QVGA up to SVGA resolution.

The reliability and performance of this solution are related to the products and services that are comprised: HMI board, a software tool developed by CLAIRITEC, dedicated training, unlimited technical support and additional graphic services which are CLAIRITEC's strengths.

CLAIRITEC products have a durability of 10 years.

Find our range of HMI boards and our HMI solution at **Electronica in Munich from the 12th to 16th of November 2012.**

Visit our booth in Hall A3 - 450.

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About CLAIRITEC

Based in Bordeaux (France) CLAIRITEC is primarily an electronic and industrial computer engineering company specializing in the design and manufacture of electronic boards for the industrial sector. Reactive and dynamic CLAIRITEC has managed to become a leader in all sectors of the industry.

With 10 years of experience in the study of graphics controllers for various companies, its research department has developed its own range of HMI boards with LCD displays from QVGA to SVGA resolution. In 2008, we created a department entirely dedicated to HMI which allows us to respond to all our customer's requests, from the simple supply of a StarterKit to personalized support during their graphic project.

CLAIRITEC has been ISO 9001 certified since 2006. CLAIRITEC's expertise has been recognized by the Aquitaine region in 2011 being awarded a grant for the implementation of a program of R&D innovation.

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