LASCAR electronics

PanelPilotACE

Unique Hardware & Software Display Platform

PanelPilotACE, with Lascar's free and easy to use Design Studio software, opens up a world of choice for you to create fully bespoke display interfaces without writing a single line of code.

Available in both 4.3" and 7" screen sizes, PanelPilotACE features a full colour touchscreen, powerful ARM processor and multiple I/O. Both versions enable rapid development, and have the flexibility and performance to be used for automation control and as HMIs.

PanelPilotACE comes with a range of different I/O:

- Four 16-bit bipolar analogue inputs
- Eight digital input/output pins
- Serial RS232, RS485 and Modbus
- Four 8-bit PWM outputs
- Two alarm outputs
- Ethernet FTP for logged data

PanelPilotACE Design Studio

Hardware elements are dragged from the library into a function builder where associations with graphical elements (such as a needle on a meter) can be defined.

Design Studio is Lascar's free drag-and-drop software which you can download from our website. It saves you writing a single line of code, and can be used with both the 4.3" and the 7" version of the PanelPilotACE.

- Library of pre-defined meters, buttons, switches and other key design elements
- PID control
- Multi-channel data logging and trend graphs
- Maths and logic builders for data processing
- Touchscreen navigation
- Import your own graphics
- Password protection features

Design Studio's Preview Emulator, which emulates the hardware inputs and outputs, allows students to test their display projects before uploading anything to an actual display.

CAN bus capabilities

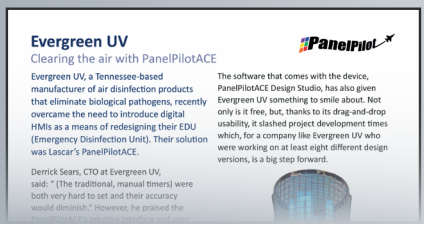
The S70-CAN add-on board provides a 3-wire CAN bus interface for the SGD 70-A. This means PanelPilotACE display technology can be used in conjunction with the popular CAN bus protocol, opening up a wide range of control and monitoring possibilities, including automotive applications.

Full Development Kits

Our development boards allow users to quickly connect to and test all of the I/O functionality of the PanelPilotACE display. The SGD 43-A DK+ and SGD 70-A DK+ kits provide everything you need to put your projects through their paces: a 4.3 or 7" display, and a development board with switches, dials, LEDs and screw terminal connections designed to replicate all the I/O functionality of the PanelPilotACE.

PanelPilotACE University

Whether you've already chosen the PanelPilotACE platform for your next display project, have used its software suite before or are still evaluating its development potential, the PanelPilotACE University is your one-stop shop for all the tools needed to turn your conceptual display design into a fully functioning App. To read more please search: '**PanelPilotACE University**'



Evergreen UV

Clearing the air with PanelPilotACE

PanelPilot

Evergreen UV, a Tennessee-based manufacturer of air disinfection products that eliminate biological pathogens, recently overcame the need to introduce digital HMIs as a means of redesigning their EDU (Emergency Disinfection Unit). Their solution was Lascar's PanelPilotACE.

Derrick Sears, CTO at Evergreen UV, said: " (The traditional, manual timers) were both very hard to set and their accuracy would diminish." However, he praised the PanelPilotACE's intuitive interface and user-

The software that comes with the device, PanelPilotACE Design Studio, has also given Evergreen UV something to smile about. Not only is it free, but, thanks to its drag-and-drop usability, it slashed project development times which, for a company like Evergreen UV who were working on at least eight different design versions, is a big step forward.

Case Study: Clearing the Air

Upgrading from analogue controls to PanelPilot digital displays proved to be a very shrewd business move by Evergreen UV, a Tennessee-based manufacturer of air disinfection products. To read the full case study, please search: '**Lascar emergency disinfection**'

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