



I4GEN RANGE

Multi-touchscreen color display and complete monitoring software

GENSYS 2.0 PLATFORM

The **i4Gen** is a user interface made by **CRE TECHNOLOGY** to offer users a complete monitoring of **CRE TECHNOLOGY** controllers **GENSYS 2.0**.

The unit hardware is a multi-touch screen color display developed for harsh environment and industrial areas, providing access to all controllers' data for control and measurement.



FEATURES AND SPECIFICATIONS

CONTROL AND MANAGEMENT

Direct display

The **i4Gen** is able to display information from 1 to 32 controllers using the Ethernet connection and shows a basic overview of the power plant by using controller CANbus data when applicable.

Switch Connect

If the **i4Gen** and the controllers are connected on an Ethernet HUB with the right network configuration, it is possible to easily switch the connection between controllers in the powerplant page to supervise each controller in turn.

Multi user display

Several **i4Gen** can also be securely connected by an Ethernet hub to a single controller (or a group of controllers), for redundancy application, multi-level access or long-distance monitoring panel.

EVENTS DISPLAYED/RECORDED

An innovative feature will turn major events into 3D graphical object display, to warn the operator about an important event and to facilitate immediate diagnosis (ex: coolant tank will light up in red in case of coolant temp fault or in orange in case of coolant temp alarm).

An event recorder is also available on a dedicated display page, indicating time stamp, status, acknowledgment and corresponding variable; the event page can be filtered for diagnosis and investigation of selected variables.

LCD Display Panel

- IP Front: IP65
- Screen diagonal: 256.5mm (10.1in)
- Display active screen size: 257.1 x 159.7mm (10.1x6.29in)
- Aspect ratio: 16:10
- Physical resolution: 1280x800
- Colors displayed: 16.2M
- Brightness: 400cd/m²
- Contrast: 800:1
- Typical reaction time Tr/Tf: 30ms
- Visual angle horizontal/vertical: 170/170°
- Backlight/Backlight lifetime: LED/20,000h
- Touch Technology: Projected capacitive 10-Point Multitouch
- Surface Hardness: 6H

OPERATION / MECHANICAL / ENVIRONMENT

- Operating temperature(°C): 0~+50
- Humidity Range (RH): 5...80%
- Net weight: 2Kg (4.41lb)
- Gross weight: 2.9Kg (6.39lb) (incl. packing)
- Size: LxWxH: 269x187x60mm (10.6x7.36x2.36in)
- Material: Aluminium/iron
- Mounting VESA 100

POWER

- Working power (V_{DC}): 9...36V_{DC}
- Power consumption (W): 21W
- Standby consumption (W): <1W

EXTERNAL CONNECTORS

- 4 x USB 3.0
- 2 x Ethernet (LAN)
- 1 x DC-In (connectors screwable): 9...36V_{DC}
- 1 x On/Off button

HARDWARE KEY FEATURES

- Color, touch screen, capacitive, 1280x800 pixels
- Quad core processor
- IP65
- 0...50°C (32...122°F)
- Mounting VESA 100



Part number:
A56V1-10-00

RELATED PRODUCTS AND CABLES

A53Zxx references controller
Ethernet cable – Ref A53W1



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ASSOCIATED MULTI-TOUCHSCREEN DISPLAY AND FEATURES HIGHLIGHTS

i4Gen

