



i4Gen 15

Multi-touch screen color display & complete monitoring software

i4Gen 15 is a user interface made by CRE TECHNOLOGY to offer users a complete monitoring of the COMPACT range controllers.

The unit hardware is a 15 inches multi-touch screen color display developed for harsh environment and industrial areas, providing access to supervision, settings and control of controllers.

With our advanced touch screen panel, it is possible to manage remote control and monitoring, through an internet access (Wifi – LAN connection), with Zoho Assist platform, and to use e-mail services, for alarms/fauxts management.

This product meets all industrial HMI requirements, while optimising costs:

- Each controller can be associated with up to 4 I4Gen HMIs.
- A single I4Gen Box allows you to monitor and manage up to 40 controllers from a centralized interface.



PART NUMBER

A56V0-15-01-B

KEY FEATURES

Direct display

The i4Gen is able to display information from 1 to 40 controllers using the Ethernet connection and shows a basic overview of the power plant by using controller CANbus data when applicable.

Single line diagram & simplified SCADA

The i4Gen offers the display of the single line diagram of your complete power plant, as well as the production curves of each type of source. It allows monitoring and global control just with settings of the controllers.

Easy Connect

This function allows you to quickly switch the connection between controllers. It automatically detects CRE Technology controllers on an Ethernet network and allows to automatically configure their IP address.

Remote access & e-mails

With a WIFI connection through an hotspot or a connection-sharing smartphone, LAN cable connexion, or GPRS (with modem), i4Gen can be easily connected on internet, to manage remote monitoring/control and to send emails/SMS for alarms/fauxts/events management.

Flexible update

Possibility to update the software via the Internet or USB key.

Multi-controller and multi-user monitoring

A single i4Gen can be connected to several COMPACT controllers via an Ethernet Hub for global power plant monitoring. Several i4Gen can be connected to the Hub to provide access to the controllers from different points on the site.

Events displayed/recorded

An innovative function displays the main alarms/fauxts on graphical objects (3D picture, gauges, bargraphs) to warn the operator of a potential problem on the control unit and facilitate troubleshooting. A time-stamped archive of the last 500 events/alarms/fauxts is also available on a dedicated page. Several filters are available to facilitate diagnosis.

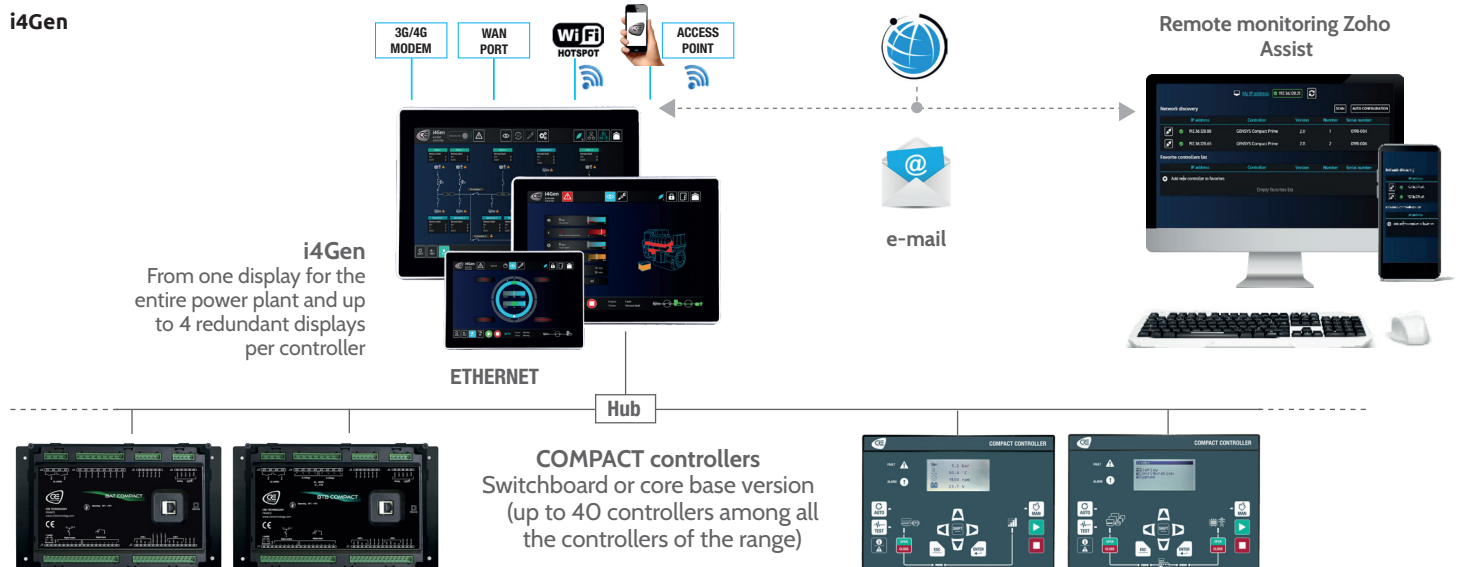
Advanced customization

Fully customize the supervision pages and the logo displayed, for an interface that meets your specific needs.

Enhanced access security

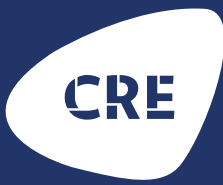
Password management compliant with cybersecurity standards and multi-user management with rights control

REMOTE MONITORING/CONTROL AND EMAILING MANAGEMENT



CRE TECHNOLOGY - 130, allée Charles-Victor Naudin - Zone des Templiers - SOPHIA ANTIPOLIS - 06410 BIOT - FRANCE
Phone : + 33 (0)4 .92.38.86.82 - www.cretechnology.com - info@cretechnology.com

DOCUMENT INDEX: I2025



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SPECIFICATIONS

DISPLAY PANEL	
Touch panel type	Color, touch screen, capacitive
Display active screen size	345.23 x 194.54mm (13,59 x7,63in)
Aspect ratio	16:9
Physical resolution	1920x1080 pixels
Colors displayed	16.2M
Brightness	450cd/m ²
Contrast	800:1
Typical reaction time Tr/Tf	35ms
Visual angle horizontal/vertical	170/170°
Backlight/Lifetime	LED/20,000h
Touch Technology	Projected capacitive 10-point multitouch
Surface Hardness	6H
ENVIRONMENT	
Operating temperature	-10...60°C (14...140°F)
Humidity	5...80%
IP Front	IP65
OPERATION / MECHANICAL	
Net weight	6.5kg (13.23lb)
Overall sizes (LxWxH)	398,81 x 249,12 x 68,80mm (15.7 x 9.8 x 2.7in)
Material	Aluminium/Iron
Processor	Quad core
Mounting	VESA 100
POWER (WITH PROVIDED CONVERTOR)	
Working power	9...36VDC
Protections	Reverse polarity Overload
EXTERNAL CONNECTORS	
Connectors	4 x USB 3.0 2 x Ethernet (LAN) 2 x WIFI (VLAN) 1 x DC-In power supply 1 x On/Off button 2 x RS232 port for RTU ModBus (RS485 possible with interface)

RELATED PRODUCTS

CONTROLLERS	
A56-XX	Tous les contrôleurs de la gamme COMPACT
CABLES	
A53W1	Ethernet cable
22496	Ethernet switch 5 ports
NITE-RS8-1100	Ethernet switch 8 ports

