



# I4GEN RANGE

## Multi-touch screen color display & complete monitoring software

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

The unit hardware is a 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/faulsts management.



I4GEN.7"



I4GEN.10"



I4GEN.15"



### Part numbers

**A56V0-07-00** i4Gen 7"

**A56V0-10-00** i4Gen 10"

**A56V0-15-00** i4Gen 15"

### RELATED PRODUCTS & CABLES

All A56-xx referenced controllers  
Ethernet cable – Ref A53W1  
Ethernet switches - Ref EDS-208A

## 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), the **i4Gen** can be easily connected on internet, to manage remote monitoring/control and to send emails for alarms/faulsts/events management.

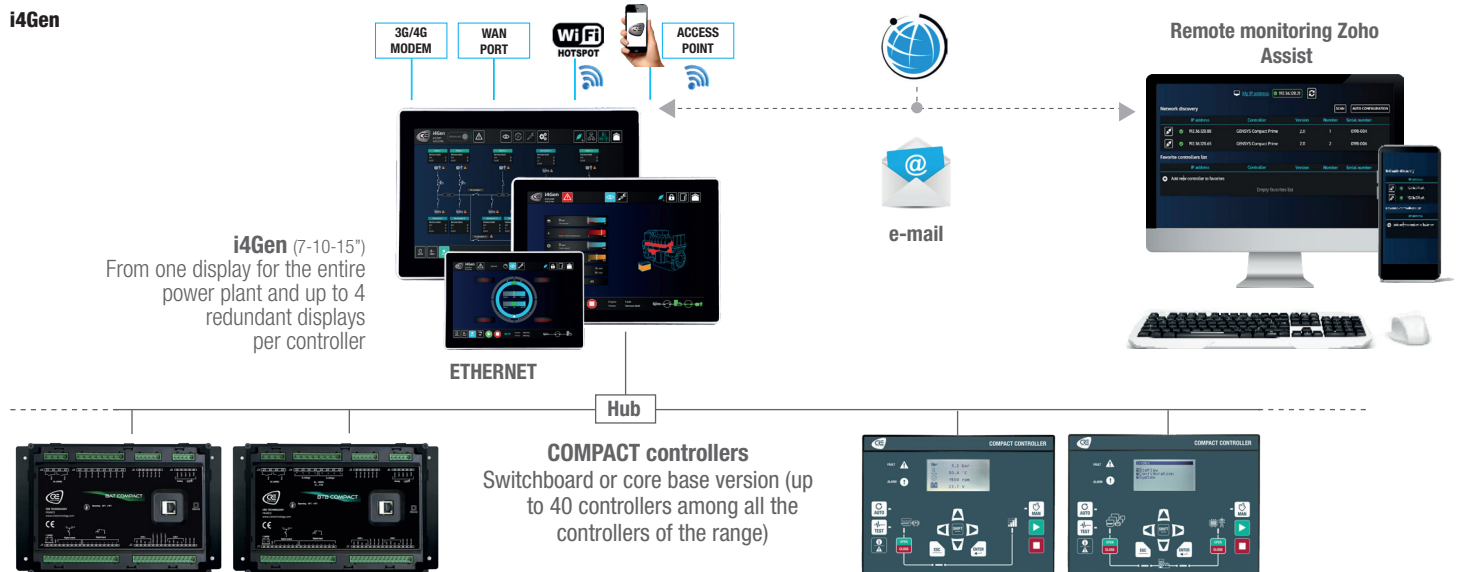
### MULTI-CONTROLLER AND MULTI-USER MONITORING

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/faulsts 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/faulsts is also available on a dedicated page. Several filters are available to facilitate diagnosis.

## REMOTE MONITORING/CONTROL AND EMAILING MANAGEMENT



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## SPECIFICATIONS

	I4GEN 7"	I4GEN 10"	I4GEN 15"
<b>DISPLAY PANEL</b>			
TOUCH PANEL TYPE	Color, touch screen, capacitive		
DISPLAY ACTIVE SCREEN SIZE	152.4 × 91.44mm (6 x 3.6in)	257.1 × 159.7mm (10.1 x 6.29in)	345.23 x 194.54mm (13,59 x7,63in)
ASPECT RATIO	16:10		16:9
PHYSICAL RESOLUTION	1280×800 pixels		1920x1080 pixels
COLORS DISPLAYED	16.2M		
BRIGHTNESS	400cd/m <sup>2</sup>		450cd/m <sup>2</sup>
CONTRAST	800:1		
TYPICAL REACTION TIME TR/TF	13ms	30ms	35ms
VISUAL ANGLE HORIZONTAL/VERTICAL	176/176°	170/170°	
BACKLIGHT/LIFETIME	LED/20,000h		
TOUCH TECHNOLOGY	Projected capacitive 10-point multitouch		
SURFACE HARDNESS	6H		
<b>ENVIRONMENT</b>			
OPERATING TEMPERATURE	-10...60°C (14...140°F)		
HUMIDITY	5...80%		
IP FRONT	IP65		
<b>OPERATION / MECHANICAL</b>			
NET WEIGHT	1kg (2.20lb)	2kg (4.41lb)	6.5kg (13.23lb)
OVERALL SIZES (LXWXH)	190,40 x 132,44 x 51,70mm (7.5 x 5.2 x 2in)	268,49 x 186,5 x 59,7mm (10.6 x 7.36 x 2.36in)	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		
<b>POWER (WITH PROVIDED CONVERTOR)</b>			
WORKING POWER	9...36VDC		
PROTECTIONS	<ul style="list-style-type: none"><li>• Reverse polarity</li><li>• Overload</li></ul>		
<b>EXTERNAL CONNECTORS</b>			
CONNECTORS	<ul style="list-style-type: none"><li>• 2 x USB 3.0</li><li>• 1 x Ethernet (LAN)</li><li>• 1 x WIFI (VLAN)</li><li>• 1 x DC-In power supply</li><li>• 1 x On/Off button</li><li>• 1 x RS232 port for RTU ModBus (RS485 possible with interface)</li></ul>	<ul style="list-style-type: none"><li>• 4 x USB 3.0</li><li>• 2 x Ethernet (LAN)</li><li>• 2 x WIFI (VLAN)</li><li>• 1 x DC-In power supply</li><li>• 1 x On/Off button</li><li>• 2 x RS232 port for RTU ModBus (RS485 possible with interface)</li></ul>	

