

10/100 Mbit Ethernet port (RJ-45) for communicating with the field and for programming

IP65 protection of the entire front part

IP65

State of the art industrial displays with strong backlight and White-LED technology

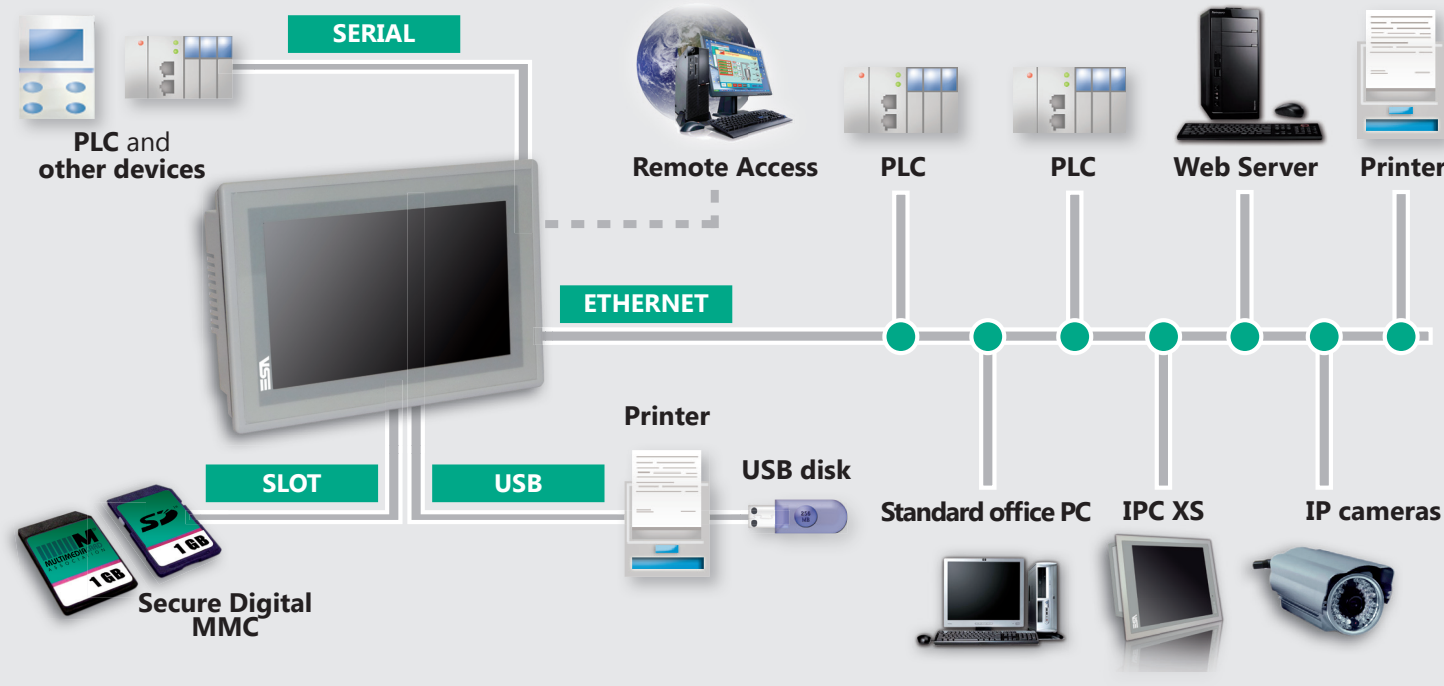
Front panel TRUE FLAT touch screen

ABS plastic chassis

USB port (host) to connect other devices (keyboard and mouse) and USB pen drives to import/export data



Slot for Secure Digital and MultiMedia Card (MMC) memory connection



### SC series driver list

Allen Bradley	AB Ethernet, Ethernet IP, Micrologix, DF1, SLC	Omron	Host Link, CJ1-CS1-CP1, CS1-CJ1 (ETH)
Delta	DVP	Panasonic	FP, FP-Sigma, FP (ETH)
Hitachi	EH, H	Schneider	Twido - Zelio - Unitelway, Tsx Premium (ETH)
Mitsubishi	A, QnA, Fx-Fx2	Siemens	S7-300/400 (ETH), S7-1200 (ETH), S5, S7-200 PPI, S7-300/400 MPI
Modbus RTU	Master and Slave		
Modbus TCP/IP	Master and Slave		

For more information on specific drivers, please refer to the single SC datasheets available on the website [www.esahmi.com](http://www.esahmi.com).

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# INDUSTRIAL AUTOMATION

SIMPLE CONTROL - SMARTCLICK





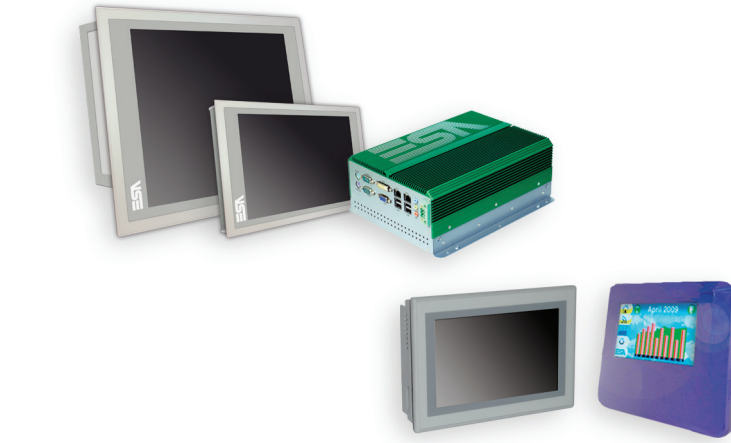
### the Group

ESA Group is a leading global company with **37 years' experience** in the Industrial Automation field. It has **foreign branches** strategically located in important countries around the world and **distributors** in over 40 nations, offering an efficient technical support service and an expert pre- and post-sales consulting service.

### Solutions

**Operator terminals (HMI)** compatible with a vast number of communication protocols.

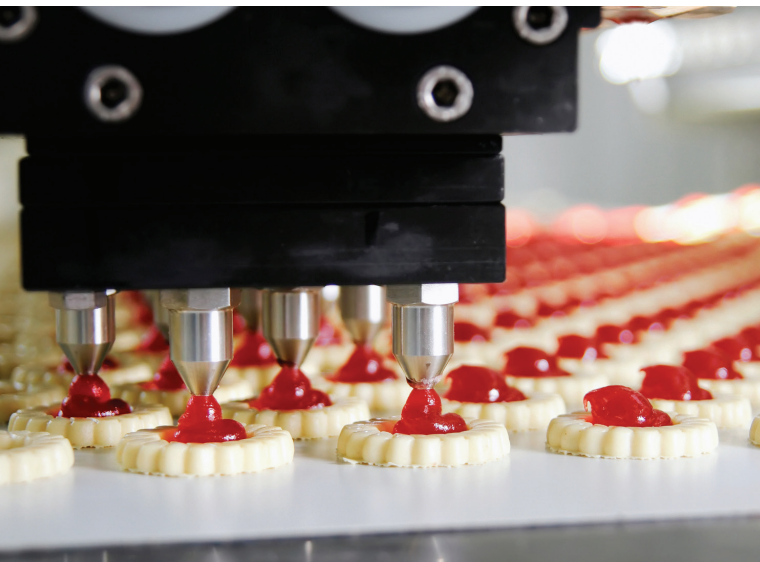
**Industrial PCs** - Panel, Box, Vesa - embedded systems and **Monitors** configurable according to specific needs.



A new generation software for the programming of operator terminals and the development of **SCADA** applications on PC platforms.

**Custom**-made solutions according to specific hardware and software requirements.

### Applications



- Automotive
- Building
- Chemical
- Energy
- Food & Beverage
- Glass
- Naval
- Packaging

- Paper
- Pharmaceutical
- Plastic
- Rubber
- Textile
- Transport
- Utilities
- Wood



## Simple Control

3,5", 7" and 10,1" wide displays  
**TRUE-FLAT Touch Screen**  
**Highly resistant ABS plastic chassis**  
**Ethernet, USB and SD/MMC slot**  
**CE certification**  
**IP 65 on front**



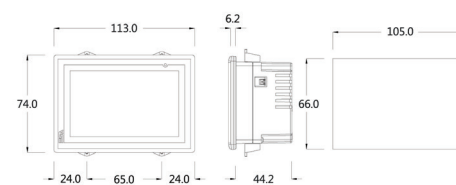
### SC103

### SC107 - SC207

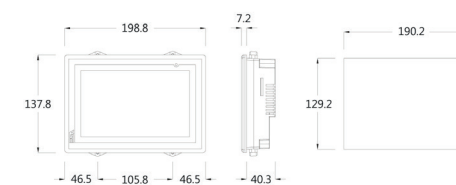
### SC110 - SC210

Display	3,5" Wide	7" Wide	10,1" Wide
Size	3,5" Wide	7" Wide	10,1" Wide
Technology	Graphic LCD TFT 65.536 colors		
Touch screen	Analogic		
Backlight	White LED		
Resolution	480 x 272 pixel	800 x 480 pixel	1024 x 600 pixel
True-Flat	Yes		
Life (min a 25°C)	30.000 hours		
<b>CPU and memory</b>			
Processor	ARM		
RAM	64 MB		
Flash	64 MB		
<b>Interfaces</b>			
First port	Port 1 (RS232/RS485/COM0)	Port 1 (RS232/RS485/COM0)	Port 1 (RS232/RS485/COM0)
Second port	-	Port 2 (RS232/RS485/COM0)	Port 2 (RS232/RS485/COM0)
USB Host port	1 x v 1.1		
USB Device port	-	1 x v 1.1	
Card Bus slot	1 x Secure Digital/MMC		
Network	1 x Ethernet 10/100 Mbit - RJ45		
<b>Technical specifications</b>			
Chassis	ABS Plastic		
Power supply	20...28 Vdc		
Power consumption	~ 3 W (24 Vdc)	~ 5 W (24 Vdc)	~ 8 W (24 Vdc)
Hardware clock	Battery (minimum durability 5 years)		
Operating temperature	-10...+50 °C		
Storage temperature	-20...+60 °C		
Humidity	10...90% (non condensing)		
Weight	~ 0,3 kg	~ 0,8 kg	~ 1,4 kg
Protection level	IP 65 frontal		
Certifications	CE		
<b>Other versions</b>			
MPI support	-	SC207 - SP1 (RS232/485/MPI)	SC210 - Port 1 (RS232/485/MPI) Port 2 (RS232/RS485/COM0)

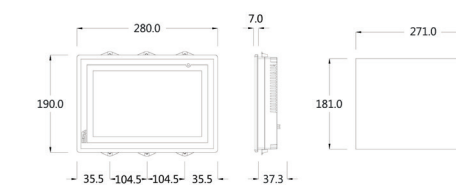
### SC103



### SC107



### SC110 - SC210



SC207 - External (W/D/H) (mm): 202 x 142 x 40  
Cut-out (W/H) (mm): 194 x 134

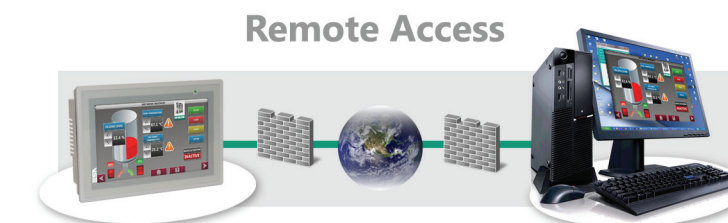


## SmartClick



Polymath SmartClick is the programming suite for configuring SC range of products.

Project	Library
Popup pages	Rich library of dynamic objects
Layers	PNG, JPEG, GIF, BMP, etc. images
Frames	
Alarms	<b>Utilities</b>
Network devices	Passthrough
Visual Basic script	Remote control (ESA Remote Access)
User management, password	Local Backup/restore
Multilanguage	Remote Backup/restore
	Online simulator
	Offline simulator
<b>Logging</b>	<b>Integrated dictionary</b>
Trend Buffer, X-Y, Data log	Import XLS tags, texts, alarms, recipes
Recipes	Export XLS tags, texts, alarms, recipes
	<b>Automatic project storage</b>
<b>Data Export</b>	Online project comparison
CSV, XML	Device memory balance
Pendrive, SD, CF, ETH	



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