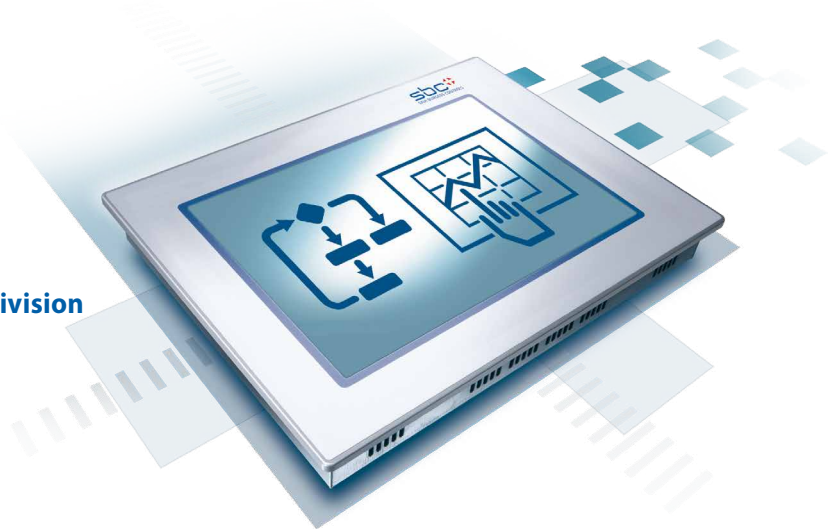


10.4" TFT/VGA Programmable Web-Panel MB Saia PCD7.D410VT5F

Controls Division

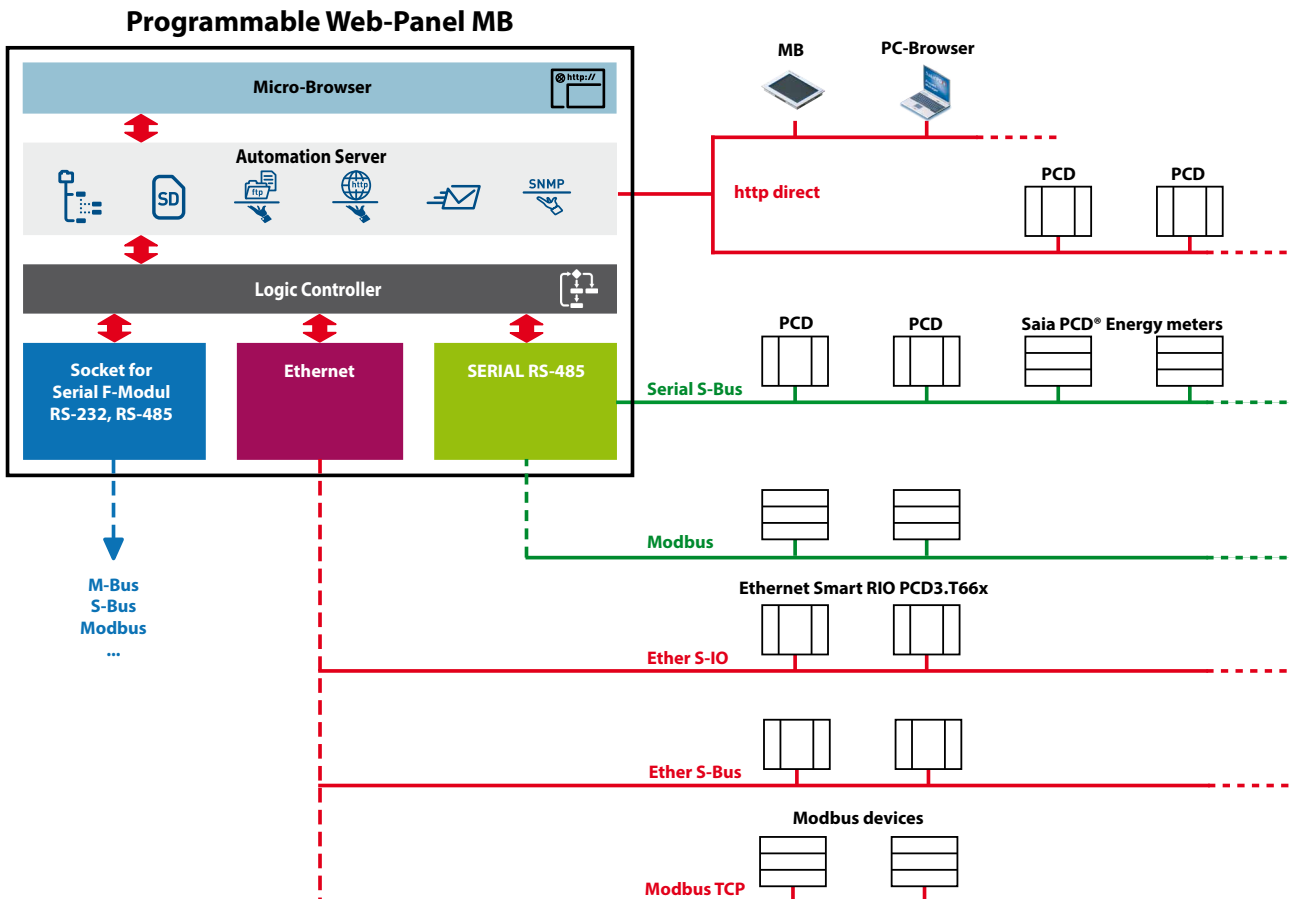


The new product type combines a Web-Panel and an Automation Server as well as control and management functions in one device. The integrated logic controller can be programmed with the software tool Saia PG5® to perform simple control applications or complex HMI functions.

With the integrated Automation Server, the large storage resources and multiple communication possibilities, this panel fits perfect as a management station and data concentrator.

The 10" programmable Web Panel MB has a high-quality TFT color display with VGA resolution (640 × 480 pixels).

Block diagram (functionality)



Technical data

General data

Supply voltage	18...32 VDC
Current consumption	max 600 mA on 24 VDC
Protection class (front)	IP 65
Dimensions (W × H × D) mm	281 × 221 × 56
Cut-out (W × H) mm	262 × 202
Temperature range	Operations: 0...50 °C typical Storage: -25...+70 °C
Relative humidity	Operations: 10 to 80% Storage: 10 to 98% non condensing
Processor	Coldfire CF5373L, 240 MHz
Date-time (RTC)	Backup through battery for data retention
Battery	Lithium Renata CR2032 (Retention 1...3 year)

Display

Screen colors	65'536
Display	10.4" TFT
Resolution / Pixel	VGA 640 × 480
Resolution / Pixel	Four wire resistive touch screen
Contrast adjustment	Yes
Backlight	LED with a life cycle of 50 thousand hours

Logic Controller

User program, ROM /DB/text	1 MBytes
RAM DB/text	1 MBytes
Media	14'336 Flags / 16'384 Registers
Backup for user program	User program is always saved on integral µSD-Card and is therefore always backed up, even without battery!
User file system	128 MBytes on board
Program cycle time	10 cycles / sec maximum

Fieldbus Protocols

Serial-S-Bus, Ether-S-Bus, Ether-S-IO
Modbus RTU, Modbus ASCII or TCP, M-Bus

Internet Services

Browser	SBC Micro-Browser
HTTP Server	Visualisation with Web-Browser and Web-Panel
FTP-Server	Simple data exchange
TCP/IP	Efficient communication
SMTP Client	E-Mails with file attachments (e.g. Log-files)
DHCP and DNSClient	Easy connection to IP networks
SNTP Client	Synchronisation of internal clock

Synchronisation of internal clock

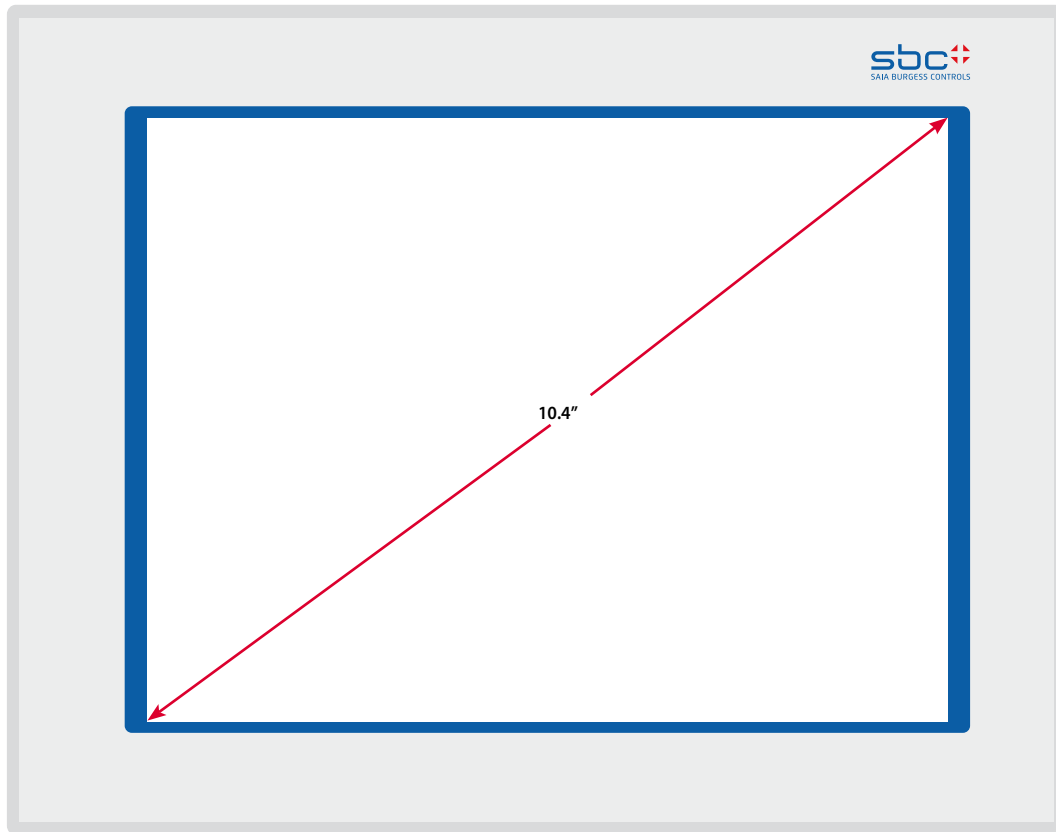
Ethernet 10 / 100 M	× 2 RJ45 (Switch)/http direct
USB 12 M	× 1 client
Serial up to 115 kB	RS-485 & socket for PCD7.F1xxS

Software

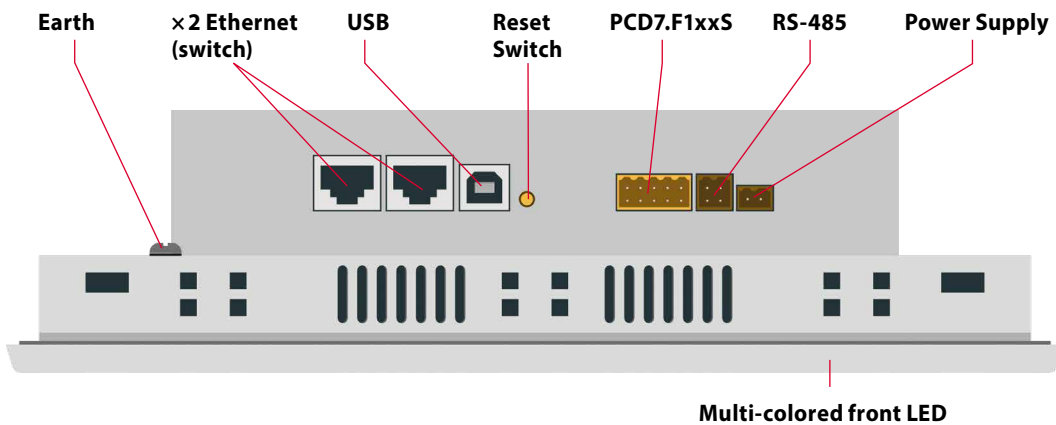
Saia PG5°	Programming tool for PLC applications (IL, FUPLA and GRAFTEC)
Saia PG5° Web Editor	Graphics editor for SBC Micro Browserer



Front view

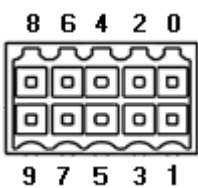


Installation



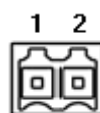
Connections

PCD7.F1xxS



Connector pins	Signal RS-232	Signal RS-485
0	GND	GND
1	TXD	D
2	RXD	/D
3	RTS	
4	CTS	
5	GND	GND
6	DTR	
7	DSR	
8	COM	
9	DCD	

Power Supply



Connector pins	Signal
1	24 V (+)
2	GND (-)

RS-485



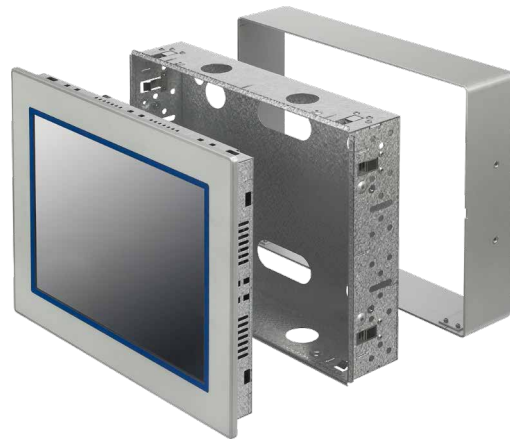
Connector pins	Signal
1	GND
2	NC
3	/D
4	D

Order information

Model	Description	Weight
Programmable Web-Panel with embedded SBC Micro Browser		
PCD7.D410VT5F	10.4" TFT VGA pWeb Panel MB with 65 K colors, CCFL backlight, 128 MB flash memory, x2 Ethernet (switch), USB, RS-485 and socket for PCD7.F1xxS, programmable with the software tool Saia PG5®	2.100 g
Accessories		
PCD7.D410-IWS	Kit for in-wall-mounting	850 g
PCD7.D410-OWS	Kit for on-wall-mounting	1.300 g



**Kit for in-wall-mounting
PCD7.D410-IWS**



**Kit for on-wall-mounting
PCD7.D410-OWS**

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