

Data blad

12.1" TFT/SVGA

Saia[®] Programmable

Web-Panel MB

Saia[®] PCD7.D412DT5F

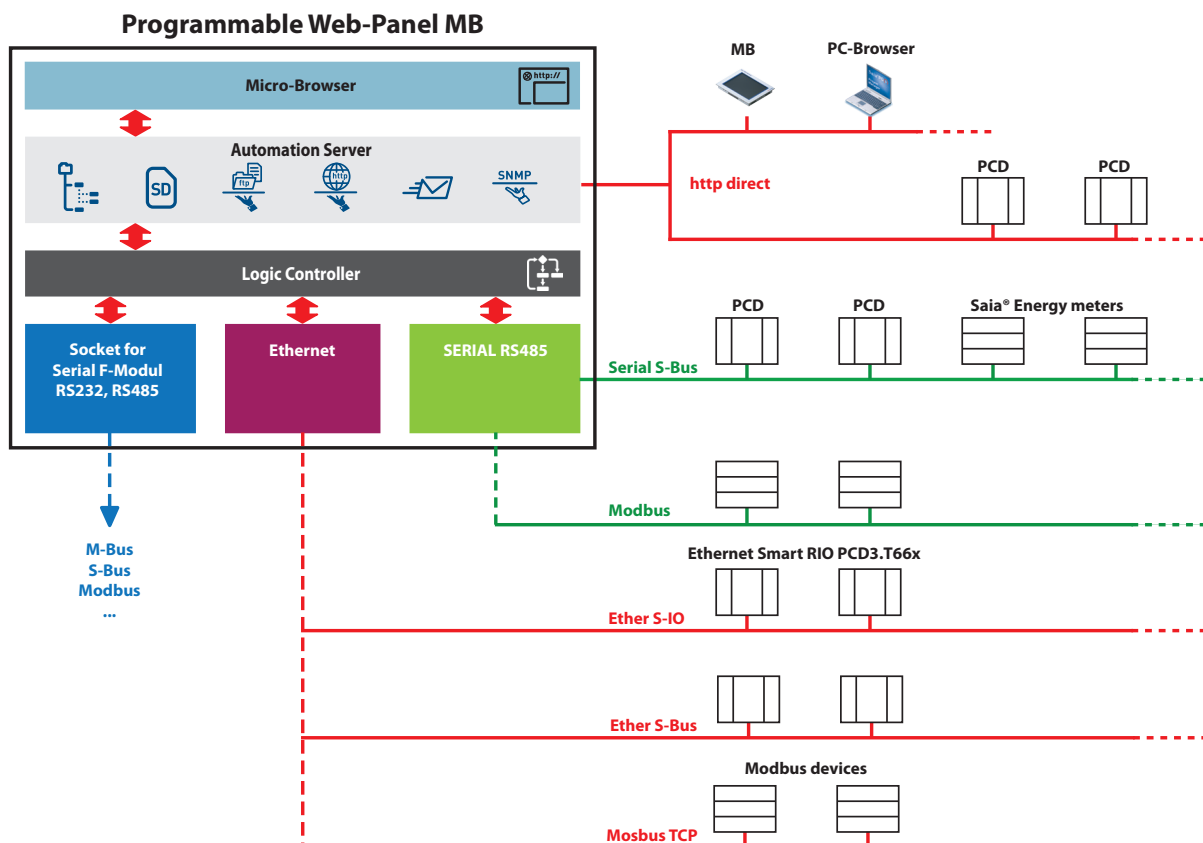
Controls Division



Denna nya produkttyp kombinerar en web-panel och en web-server lik väl som den fungerar som central kommunikations punkt allt i en och samma enhet. Den integrerade styrenheten kan programmeras med programverktyget Saiä[®] PG5 att utföra enkla styr-applikationer eller komplexa HMI funktioner. Med den integrerade Automation-Servern, ges stora lagringsmöjligheter och flera kommunikations möjligheter. Denna panel passar perfekt som central kommunikationspunkt.

Denna 12" programmeringsbara web-panel MB har en hög kvalitativ TFT färgskärm med SVGA upplösning (800×600 pixels), LED bakgrundsbelysning och en laminerad pekskärm med "five-wire" teknik.

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	319 × 264 × 60
Cut-out (W × H) mm	300 × 244
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)
Status front LED	Multicolor

Display

Screen colors	65'536
Display	12.1" TFT
Resolution / Pixel	SVGA 800 × 600
Touch screen	Five-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

Field Level Protocols

Serial-S-Bus, Ether-S-Bus, Ether-S-I0
Modbus RTU, Modbus ASCII or TCP, M-Bus

Internet Services

Browser	Saia® 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 DNS Client	Easy connection to IP networks
SNTP Client	Synchronisation of internal clock

Interfaces

Ethernet 10 / 100 M	×2 RJ45 (Switch)/http direct
USB 12 M	×1 client
Serial	RS485 & socket for PCD7.F1xx5

Software

Saia®PG5	Programming tool for PLC applications (IL, FUPILA and GRAFTEC)
Saia®Web-Editor	Graphics editor for Saia®Micro-Browser



Five-wire



SVGA



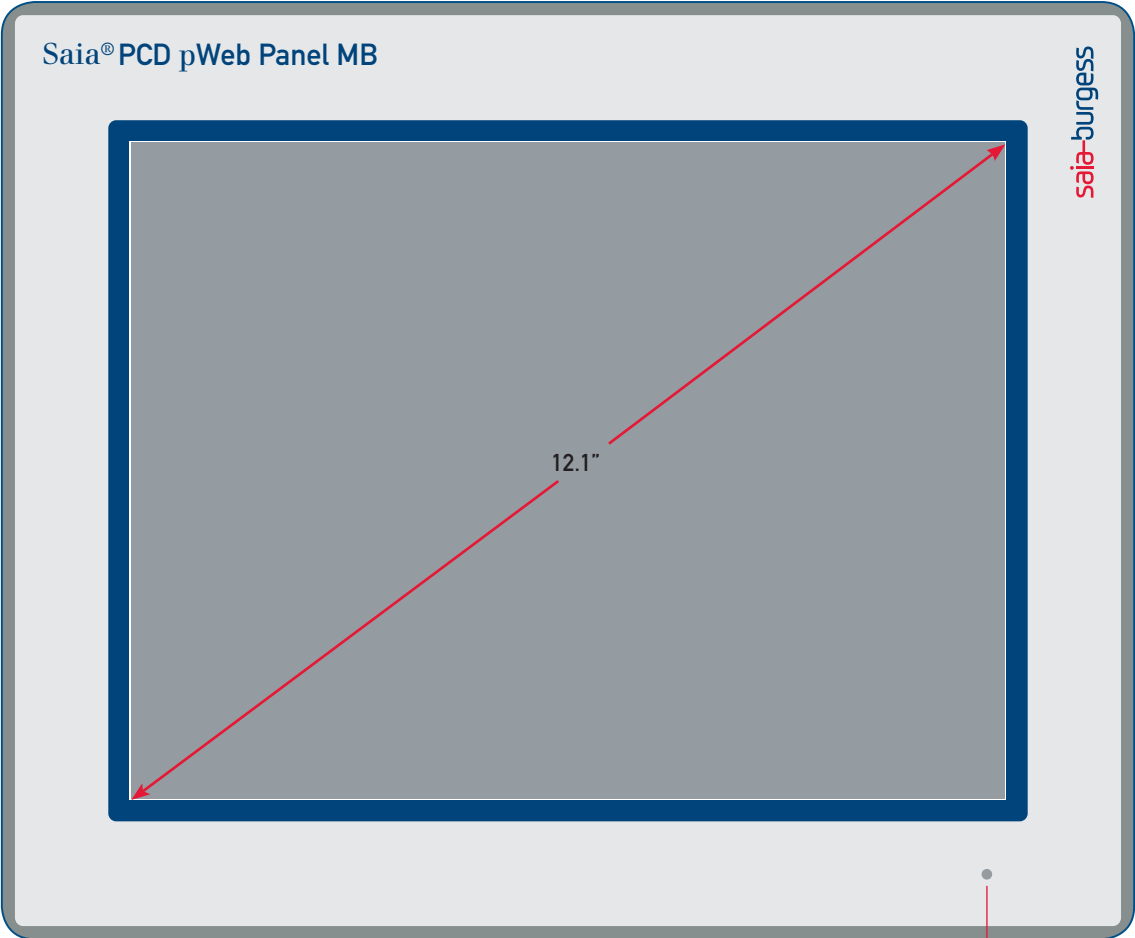
LED



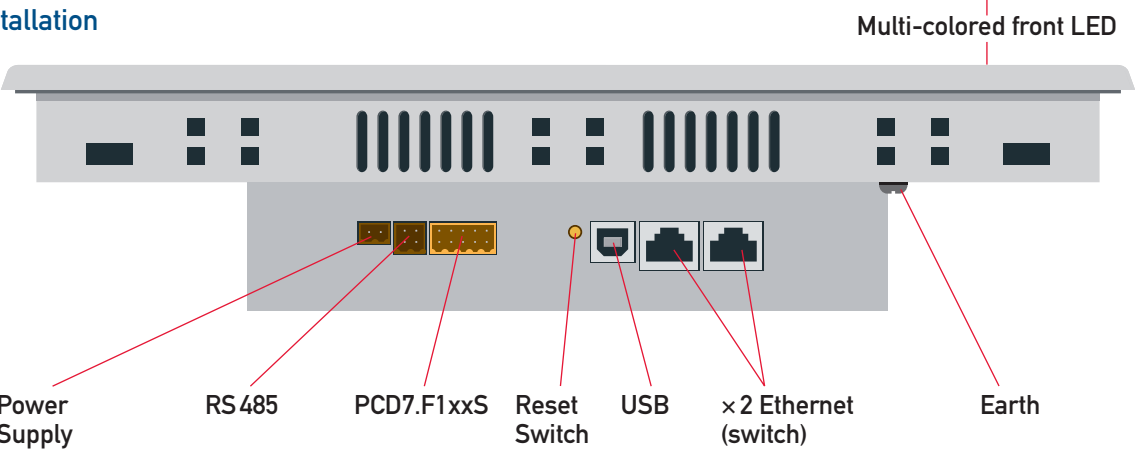
Lamination



Front view

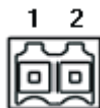


Installation



Connections

Power Supply



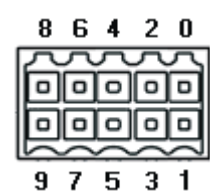
Connector pins	Signal
1	24 V (+)
2	GND (-)

RS 485



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

PCD7.F1xxS



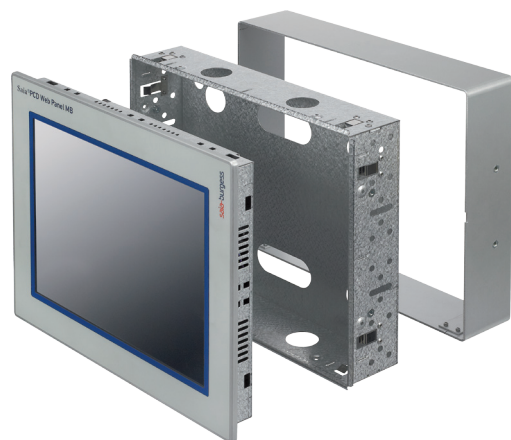
Connector pins	Signal RS 232	Signal RS 485
0	GND	GND
1	TXD232	SD
2	RXD232	/SD
3	RTS232	
4	CTS232	
5	GND	GND
6	DTR232	
7	DSR232	
8	COM232	
9	DCD232	

Order information

Model	Description	Weight
Programmable Web-Panel with embedded Saia® Micro-Browser		
PCD7.D412DT5F	12.1" TFT SVGA pWeb Panel MB with 65 K colors, five-wire touchscreen, LED backlight, 128 MB flash memory, x2 Ethernet (switch), USB, RS485 and PCD7.F1xxS, programmable with the software tool Saia® PG5	2800 g
Accessories		
PCD7.D412-IWS	Kit for in-wall-mounting	1200 g
PCD7.D412-OWS	Kit for on-wall-mounting	1600 g



Kit for in-wall-mounting
PCD7.D412-IWS



Kit for on-wall-mounting
PCD7.D412-OWS

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