Grossen*bacher* Systeme
Swiss innovations for next generations

Smart and with a modern design
Compact operating panels with Soft-PLC on Linux

- • **CODESYS as Soft-PLC**
- • **Linux with RT-Extension**
- • **Visualisation selectable/integrable**
- • **Multi-Touch capable displays up to 18.5''**
- • **Fast i.MX 8 CPUs**
- • **Performance and display size according to your needs**
- • **Cost-effective due to ARM processors and Linux**
- • **Real-time Soft-PLC**
- • **Flexibility to run different software's**

M With the SmartPanel device family, you get a solution based on the latest, powerful ARM hardware, which includes the CODESYS Soft-PLC for Linux with RT extension.

For your visualisation, all options are available: whether Qt-based Visu, EPAM by Grossenbacher or web-based visualisations such as CODESYS WebVisu. Other visualisations can also be integrated for you.

Due to the Linux OS, other applications, e.g. edge computing SW, can also be used on the SmartPanel. For the best possible price-performance ratio of the "All-In-One" solution, you can choose SoM modules with i.MX 8 processor.

Of course, other communication standards can also be implemented individually, including OPC UA, MQTT and others.

The multi-touch capable SmartPanels are available in various display sizes. All modern gestures such as wiping, zooming, etc. are supported.

We develop your success!

www.gesys.ch

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Member of Amalthea Group

SmartPanel
Technical data

Processor	
Processor	i.MX 8 M Mini
Architecture	ARM Cortex-A53 Cortex-M4
Frequency	up to 1.8 GHz
Processor core	4
RAM	2 GB (up to 4 GB possible)
Cooling	passive
Others i.MX 8 processors	on demand
Memory	
Memory technology	eMMC NVSRAM with retain data
Memory size	8 GB 128 kB
External additional memory (changeable memory)	on demand up to 1TB microSD
Display and touch	
Size: Resolution | Brightness	7'': 1024x600 | 400cd/m^2
	10.1'': 1280x800 | 400cd/m^2
	15.6'': 1366x768 | 400cd/m^2
	18.5'': 1920x1080 | 350cd/m^2 (on demand)
Touch technology	capacitive
Interfaces / field buses	
Ethernet	2 x 10/100/1000 MB
WiFi	on demand (802.11ac/a/b/g/n)
Bluetooth	on demand (BT4.2/BLE)
USB	2 x 2.0
Standard interface	RS485, CAN, EtherCAT
PROFINET, Ethernet IP and other field buses	on demand
Operating systems and SW options	
Operating system	Linux-Yocto
Soft-PLC	CODESYS (others on demand)
Visu	EPAM, TargetVisu, various third-party suppliers
Remote update	on demand
Web- and VNL Server	on demand
HW options	
Microphone, camera, loudspeaker	on demand
NFC, RFID, others	on demand
UPS for bridging short-term power dips	up to 80ms full bridging
	shutdown from 80ms Shutdown with storage of retain data
Device	
Front installation	yes
Rear installation	on demand
VESA mounting	yes
Power supply	24Vdc +/- 20%
IP protection class	front: IP65 | back: IP20

Dimensions		Front installation	VESA mounting
Front (B x H x T)	7'':	205 x 144 x 35.5 mm	197 x 136 x 41 mm
	10.1'':	269 x 185 x 35.5 mm	261 x 177 x 41 mm
	15.6'':	396 x 243 x 43 mm	404 x 251 x 38.5 mm
	18.5'':	446 x 276 x 44 mm	on demand

Certifications	
7'', 10.1'', 15.6'' und 18.5''	CE | EN61000-6-2:2019 | EN61000-6-3:2011

These information provide an overview of the most important features and characteristics of the product and do not represent any assurance of product specifications.

All information without guarantee, errors and modifications excepted.

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