

VL-704 SMART

HMI / Control panel with 4,3" TFT, resistive touchscreen, resolution 480x272 Pixel

Part nr.: 11843

Interfaces:

1x Ethernet, 1x USB Host (2.0), 1x serial (RS-232/RS-422/RS-485), Supply voltage: 24V DC



The **VL-704 SMART** is an economic control panel with all essential interfaces for automation:

1x **Ethernet** 10/100, 1x **USB** Host (2.0) and a combined **serial Interface** (RS-232/RS-422/RS-485).

The resistive touchscreen and the bright 4.3" TFT with 64K colours are ideal to realise a convenient operating interface in spite of the small display.

The software **jMobile Studio** (not included in delivery, has to be ordered separately) is used to create the visualisation and provides the following essential options:

- Full vector graphic support. Native support of SVG graphic objects, transparency and alpha blending.
- Data display in numerical, text, bargraph, analog gauges and graphic image formats.
- Rich HMI features: data acquisition and logging, trend presentation, alarm handling, scheduler and timed actions
- User management
- E-mail
- RSS feeds
- Wide selection of communication drivers available with multiple-driver communication capability
- On-line and off-line simulation with JMobile Studio
- Rich gallery of objects and symbols

The following chart represents the most important features of the device. Please see the users guide for further information.

Display

Type	TFT
Resolution	480x272
Active display area	4.3" diagonal
Colors	64K
Backlight	Yes, LED
Brightness	200 Cd/ m ² typ.
Dimmable	Yes

System resources

CPU	ARM Cortex A8 300 MHz
Operating system	LINUX 3.12
RAM	256 MB
Flash	2 GB
Application memory	60 MB
Real Time Clock	Yes
RTC backup	Supercapacitor
Buzzer	Yes

User interfaces

Touchscreen	Yes
Type	Resistive

Interfaces

Ethernet	1x 10/100 MBit
USB	1x Host V2.0, max. 500 mA
Serial	1x RS-232/RS-422/RS-485, software configurable

Power supply

Supply voltage	24V DC (18..32V DC)
Power consumption	0.25A max. @ 24V DC
Fuse	Yes, resettable fuse

Environmental conditions

Operating temperature	0°..+50°C (vertical installation)
Storage temperature	-20°..+70°C
Humidity	5..85% rel. humidity, non condensing
Protection class	Front: IP66, Typ 2 and 4X Rear: IP20

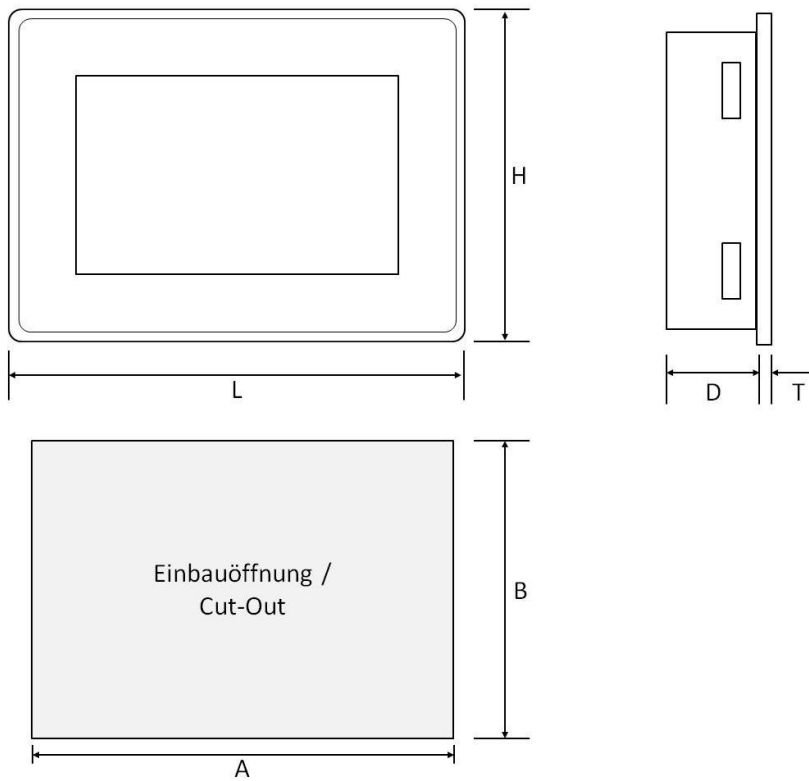
Dimensions and weight

Faceplate (LxH)	147 x 107 mm
Cutout (AxB)	136 x 96 mm
Depth (Housing + front) (D+T)	29 mm + 5 mm
Weight	0.4 Kg

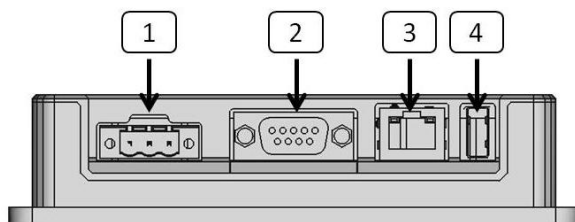
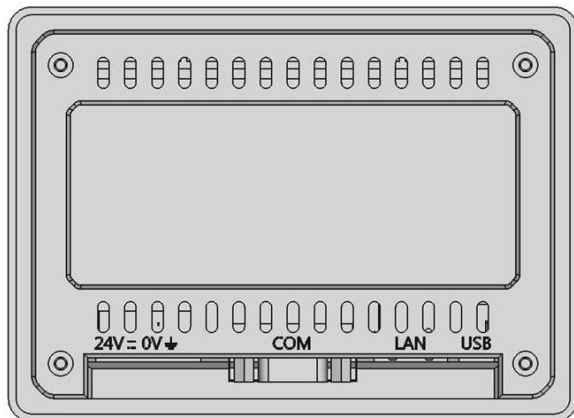
Approvals

CE	Emission EN 61000-6-4 Immunity EN 61000-6-2, for installation in industrial environments Emission EN 61000-6-3 Immunity EN 61000-6-1, for installation in residential environments
UL	cULus

Dimensions



Connections



- 1 Versorgung / Power supply
- 2 Serieller Port / serial port
- 3 Ethernet / LAN
- 4 USB Host (2.0)

Ordering information

Article text	Part number	Description
VL-704 SMART	11843	HMI with 4.3" TFT, 480x272 pixel, 64K colours, LED backlight, dimmable, 2 GB Flash, 256 MB RAM, ARM Cortex-A8 Single Core 300 MHz, Linux 3.12, 1x Ethernet Port 10/100, 1x USB Host (2.0), 1x serial, 24V DC, 0.25A, front IP66, rear IP20, resistive touchscreen, ambient temperature: 0°C bis +50°C, with jMobile runtime and EnOcean Modbus driver, Dimensions: front 147x107 mm, cutout 136x96mm, Device hardware identical with EXOR eSMART04M
VL-704 incl. WALL-BOX	11847	Same as # 11843, but as a set, consisting of VL-704 SMART and matching in-wall mounting box

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