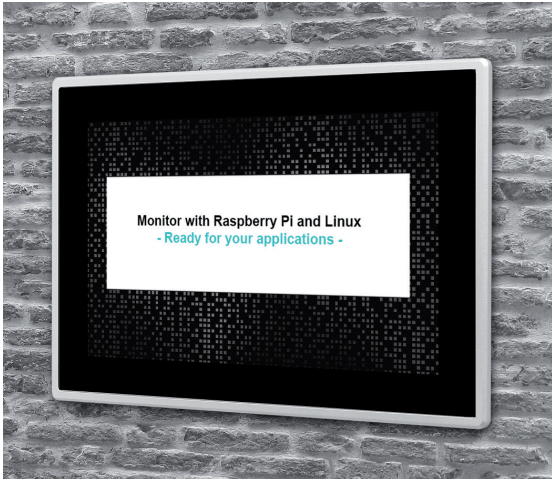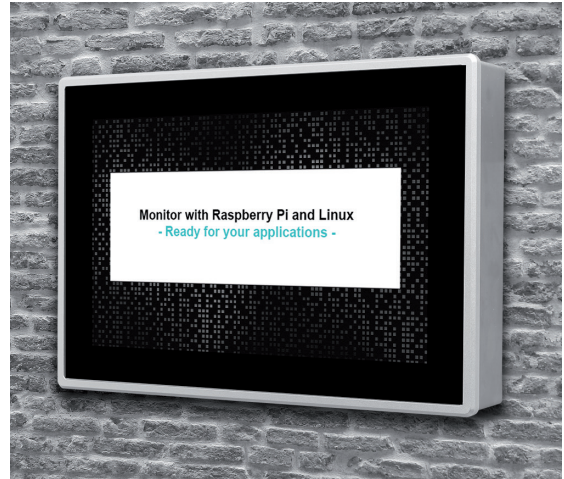# Port**Signum**

pi!MON101 in-wall, pi!MON101 on-wall
10,1" (26 cm) TFT display with Paspberry Pi 3 and Linux operating system

pi!MON101 in-wall

pi!MON101 on-wall

Data Sheet

PortSignum pi!MON101. Sleek and elegant display with Raspberry Pi 3 and pre-installed Linux operating system. Available for in-wall and on-wall installations. Supports dialog oriented applications with PCAP-Touch option.

pi!MON101 with its 10.1" (26 cm) screen size and 1280 x 800 pixel resolution is suited for in-wall and on-wall installations. The timelessly elegant design with its narrow bezel made of solid aluminium and the protective safety glas with black borders fits perfectly into any existing environment. To make the installation as user-friendly as possible, a PoE (Power over Internet) interface is integrated to supply the pi!MON101 with data and power. An optional PCAP touch supports interactive applications.

We added some functions to the operationg system to make the installation of your applications faster and easier. Designed as LAN device, operating parameters of the pi!MON101 are configurable with an standard internet browser via LAN. The file system is configured as read-only to avoid write access to the CF card during operation..

Your benefits

- Sleek and elegant true-flat design wirh narrow bezel for a reduced display footprint.
- A solid aluminium bezel with integrated TSG safety glass offer front side IP54 protection.
- One cable is enough - PoE interface for a hassle-free installation with data and power supply via LAN .
- Industrial 10,1" panel suited for 24/7 operation with wide viewing angle and brilliant screen display.
- PCAP touch option.
- Rapid and simple setup from any network connected PC with Internet browser.
- For in-wall and on-wall installations.
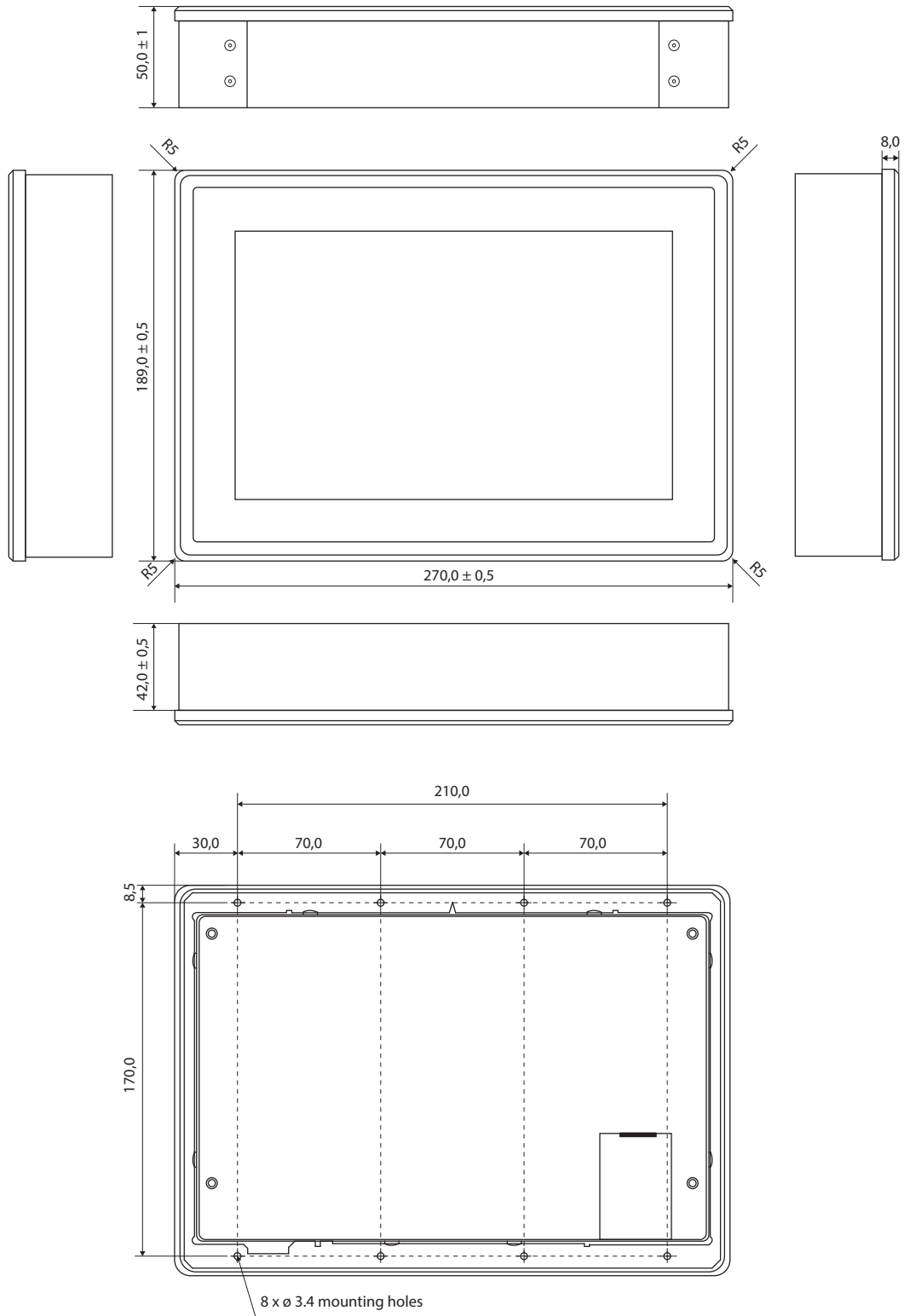- Additional system functions to make installations faster and easier.

PortSignum

Product specification

Product	Model	**pi!MON101 on-wall**	**pi!MON101 in-wall**
	Type of installation	on-wall	in-wall
	Order number	9000017 (with touch) /9000015	9000018 (with touch) / 9000016

Controller	Architecture	Raspberry Pi 3 ARMv8	
	Type	Quad-Core Cortex-A53, 1.2 GHz	

Software	Operating System	Linux (read-only), extented functions: - file system switchable between r/o and r/w - Apache web server and PHP 7.0 installed - time controlled functions to switch the display on and off - configuration with internet browser	

Display	Panel technology	MVA, LED Backlight	
	Screen diagonal [inch / cm]	10,1" / 26	
	Screen size [cm]	21.7 (h) x 13.6 (v)	
	Resolution [pixel]	1280 x 800	
	Aspect ratio	16 : 10	
	Brightness [cd/m²]	300, typ.	
	Viewing angle [°]	170 horizontal / 170 vertical, typ.	
	Contrast ratio	1300 : 1, typ.	

Interfaces	LAN	RJ45, 100 MBit	

Touch		PCAP touch, products 9000017 and 000018 only	

Power Supply	PoE IEEE 802.3af	External PoE switch or PoE injector	
	Power consumption	<10 Watts	

Environment	Operating temperature [°C]	0 to +40	
	Operating humidity [%]	20 to 90, non condensing	

Machanical	Front bezel	Solid aluminium, blasted	
	Housing	Stainless steel, brushed	Sheet steel, galvanized
	Safety glass	TSG, 1 mm, black passepartout	
	Dimensions [mm]	270 x 189 [W x H]	
	Depth front bezel [mm]	8	
	Depth without front bezel [mm]	50 (with front bezel)	33 (without front bezel)
	Weight [kg]	2,0	1,6

Certification	CE	Class B	
	FCC	Class A	

Shipping Content: pi!MON101, wall mount, drilling jig, installation manual.

pi!MON101 on-wall – dimensional drawing

All dimensions in [mm]

50,0 ± 1

R5

R5

8,0

189,0 ± 0,5

R5

R5

270,0 ± 0,5

42,0 ± 0,5

210,0

30,0 70,0 70,0 70,0

8,5

170,0

8 x ø 3.4 mounting holes

pi!MON101 in-wall – dimensional drawing

All dimensions in [mm]

9,0

9,0

41,0 ± 1

R5

R5

13,75

8,0

189,0 ± 0,5

R5

R5

270,0 ± 0,5

16,75

30,0 ± 0,5

210,0

30,0

70,0

70,0

70,0

8,5

170,0

8 x ø 3.4 mounting holes
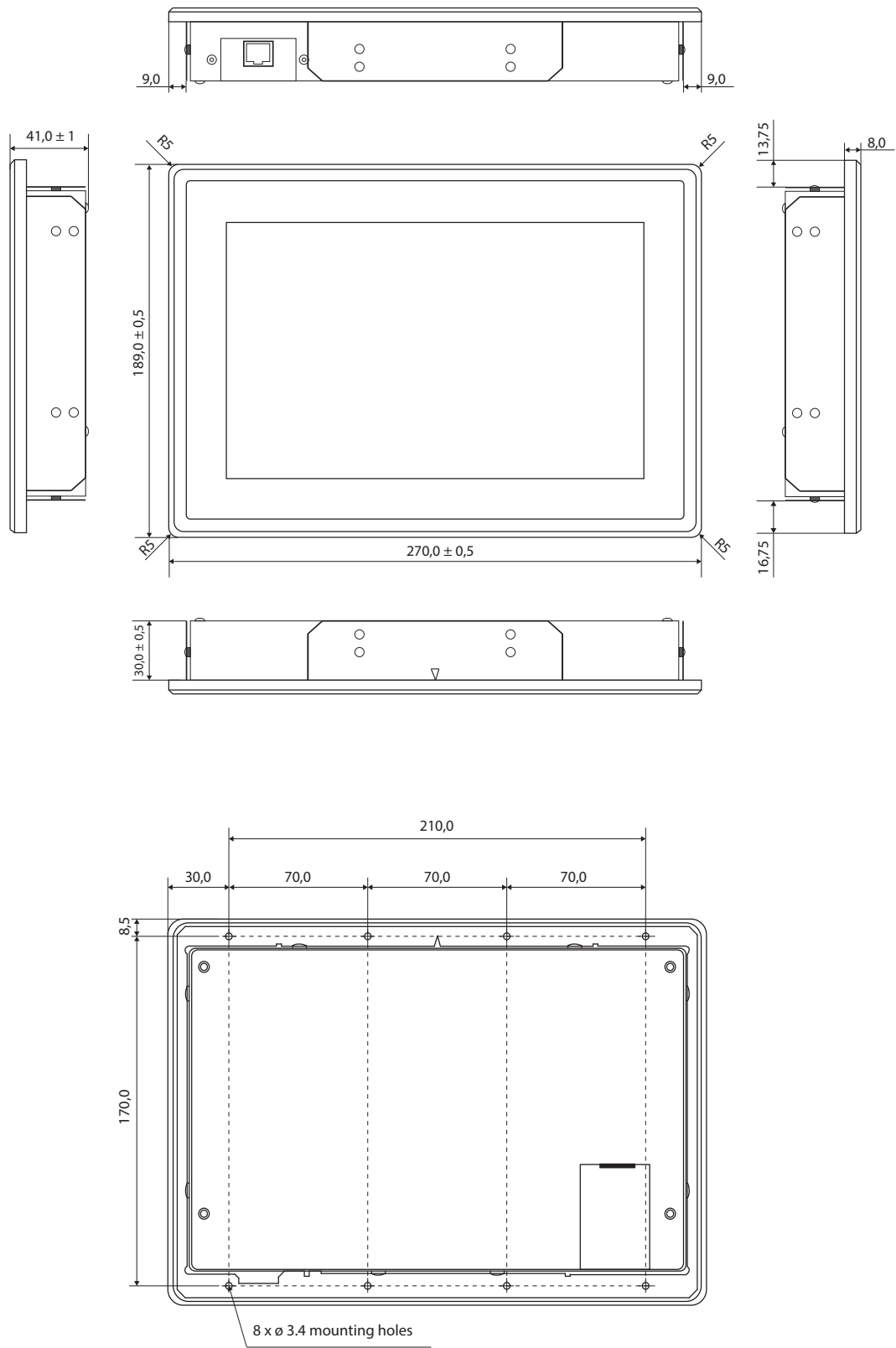
Presented by:

PortSignum **GmbH**