18.5 inch WebPanel
WPC002-185RAT

- 18.5" brilliant TFT-LCD graphic display, 1920 x 1080
- resistive touch
- IP65 front, flush-mounted design
- Integrated WiFi and Bluetooth
- Fanless design

https://www.wachendorff-electronics.comWPC002-185RAT

Description

The Series 1 WebPanels with the RK3399 chipset are available in sizes from 10.1" to 23.8" and can be equipped with either a projected capacitive, resistive or no touchscreen. Particularly noteworthy is the particularly flat front bezel, which enables almost flush mounting in the panel cut-out.
The RK3399 chipset has a quad-core Cortex-A53 with up to 1.4 GHz and dual-core Cortex-A72 with 1.8 GHz. The housings are IP65 rated at the front and have a very compact and robust design thanks to the specially designed aluminum housing. The low installation depth means that the displays can be used almost anywhere.

Product details

Power supply:	Hollow plug 5.5 x 2.5 mm: 12 VDC to 36 VDC Screw terminal: 12 VDC to 36 VDC
Power consumption:	Typical power consumption: 18 W Maximum power consumption: 48 W
Display:	18.5" TFT LCD
Resolution:	1920 x 1080 pixels
Aspect ratio:	16:9
Brightness:	300 cd/m² 1000 cd/m² (High Brightness)
Colors:	16.7 million
Reading angle:	89/89/89/89 (L/R/U/D)
Touch screen:	resistive touch
Glass hardness:	3H
Processor:	RK3399 quad-core chip Dual Core Cortex-A53 up to 1.4 GHz Quad-Core Cortex-A72 up to 1.8 GHz
RAM:	4 GB DDR3 RAM
Storage:	Onboard 64 GB eMMC NAND Flash
Interfaces:	USB: 1x USB 3.0 type A, 1x USB 2.0 type A Serial DB9: 1x RS-232 12 pin screw terminal: 1x RS-485, 1x RS-232, 1x TTL, 3x GPIO Ethernet: 1x 10/100/1000 BaseT(X), RJ45, galvanically isolated Display: 1x HDMI output Audio output: 3.5 mm jack Memory card slot: microSD slot Sim card slot: standard SIM (no function as standard) WLAN: 1x 802.11 a/b/g/n/ac/ax Bluetooth: 1x Bluetooth 5.0 Speakers: 2 × (8 Ohm, 2 W)
Housing:	Robust aluminum housing
Assembly:	VESA 100 x 100 and/or 75 x 75 Panel mounting
Protection class:	Front IP65
Weight:	approx. 5.03 kg
Dimensions (WxHxD):	486.5 mm x 307.4 mm x 67 mm
Ambient conditions:	Operation: -10 °C to +60 °C, Optional WT: -20 °C to +70 °C High brightness: 0 °C to +50 °C Storage: -20 °C to +70 °C Up to 95 % r. h., non-condensing
Certifications:	CE FCC Class A CCC
Operating system:	Android Android + AutomationBrowser (standard, for SAIA visualizations on request)
Scope of delivery:	1x device 1x mounting material
Customs tariff number:	84714100
Manufacturer:	Wachendorff Prozesstechnik

Products Order no.

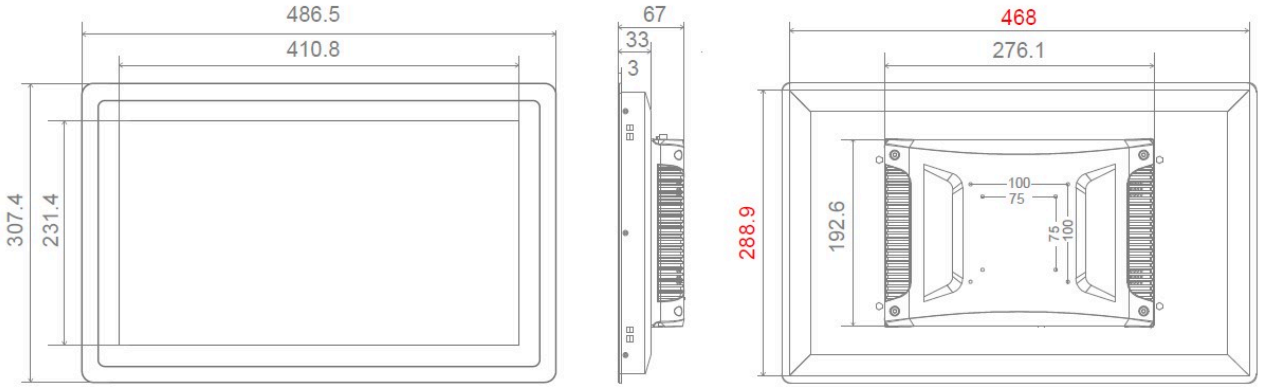
WPC002-185RAT04064AAV02P-A	18.5" web panel, resistive touch, automation browser.
WPC002-185RAT04064AAV02P	18.5" web panel, resistive touch.

Accessories Order no.

PPC-PWRCRD_01	Mains cable / connection cable E+F CEE 7/7 to C13 1.5 m
WPC-PWRADAP_24VDC2.5A	External power supply unit for WebPanel, 230 VAC to 24 VDC with hollow connector and C14 plug
PPC-WALL-VESA-01	VESA wall mount metal, 75 x 75, 100 x100, black, including screw accessory pack
PPC-Stand_01	Industrial monitor/display stand, VESA 100x100, black
PPC-Stand_02	Industrial monitor/display stand, VESA 100x100, silver

Drawings

Dimensions (mm) and STEP file/viewer:



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