

18.5" industrial touch display with capacitive touch, DPLCOA-185C



- 18.5" LCD, 1366×768 pixels
- Projected capacitive touchscreen
- Anodized aluminium housing
- IP65 all round
- Input voltage: 12 to 24 VDC
- Fanless cooling system
- Supports support arm mounting from above or below

<https://www.wachendorff-prozesstechnik.de/en/dplcoa-185c>

Description

The Wachendorff Match Control DPL series offers high-performance touch displays for direct support arm mounting. Available in the sizes 15", 15.6", 18.5" and 21.5". Thanks to the IP65 all-round protection in the completely enclosed aluminum housing, the hardware is optimally protected against dust and water jets and can be used directly in the process environment without an additional housing.

This version enables simple and direct signal transmission via HDMI and VGA, ensuring quick and uncomplicated integration into existing systems. It is operated via a robust capacitive multi-touch.

For applications with greater distances, an optional transmission solution via transmitter and receiver (e.g. Match Link) can be used to transmit signals over distances of up to 100 m.

Product details

Power supply:	Input voltage: 12 to 24 V DC $\pm 10\%$ Protective functions: Reverse polarity protection, overvoltage protection, overcurrent protection Connection: 1 × 2-pole Phoenix Operation: 1 × mains switch with illumination on the rear of the housing
Power consumption:	Minimum 22 W
Display:	18.5" LCD
Resolution:	1366 x 768 pixels 1920 x 1080 pixels Full HD (optional)
Aspect ratio:	16:9 (1366 x 768 pixels) 16:9 (1920 x 1080 pixels)
Brightness:	250 cd/m ² (1366 x 768 pixels) 350 cd/m ² (1920 x 1080 pixels)
Display MTBF:	30,000 h (1366 x 768 pixels) 30,000 h (1920 x 1080 pixels)
Contrast ratio:	1000:1 (1366 x 768 pixels) 1200:1 (1920 x 1080 pixels)
Reading angle:	(L)89 / (R)89 / (D)89 / (W)89 (1366 x 768 pixels) (L)85 / (R)85 / (D)85 / (W)85 (1920 x 1080 pixels)
Touch screen:	Projected capacitive touchscreen
Interfaces:	Image signal connection: HDMI + VGA Input: 1x USB 2.0 (type B) for touch communication Output: 2x internal USB 2.0 ports (type A), 1x 2-in-1 USB 2.0 port on the back of the housing
Housing:	Anodized aluminium housing

Control elements:	Illuminated pushbutton "white" Illuminated pushbutton "red" Illuminated pushbutton "yellow" Illuminated pushbutton "green" Illuminated pushbutton "blue" Pushbutton "black" Illuminated selector switch Emergency stop button Key switch Front USB 2.0 Maximum number of buttons on the 18.5" model: 7
Assembly:	Swivel arm mount for Rittal CP-40
Protection class:	IP65 all round
Weight:	6.7 kg
Dimensions (WxHxD):	480 x 347 x 135mm
Ambient conditions:	Operating temperature: 0 °C to +50 °C Storage temperature: -20 °C to +60 °C Humidity: 5 to 95 % at 40 °C (non-condensing) Shock resistance: during operation 10 g peak acceleration (duration 11 ms), in accordance with IEC 60068-2-27 EMV: Class B
Customs tariff number:	84715000
Manufacturer:	Wachendorff Prozesstechnik GmbH & Co. KG

Products Order no.

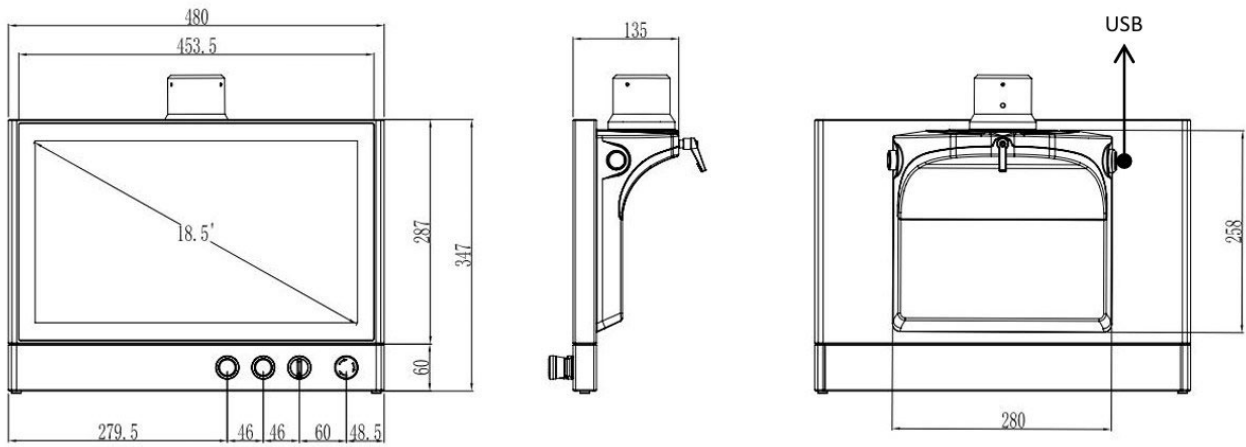
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Accessories Order no.

DPLCOA_DVI-Kabel	DVI-to-HDMI cable (optional), 1.5 m
DPLCOA_USB-Kabel	USB 2.0 cable type A to type B, optional, 1.5 m
ML-VR100	Match Link VR-100, industrial video receiver
ML-VT100	Match Link VT-100, industrial video transmitter

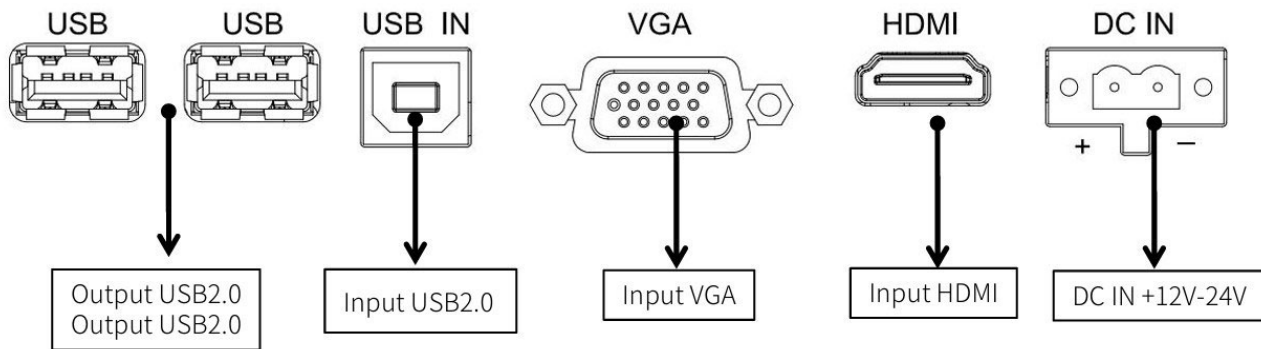
Drawings

Dimensions (mm):



Drawings

Internal I/O:





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