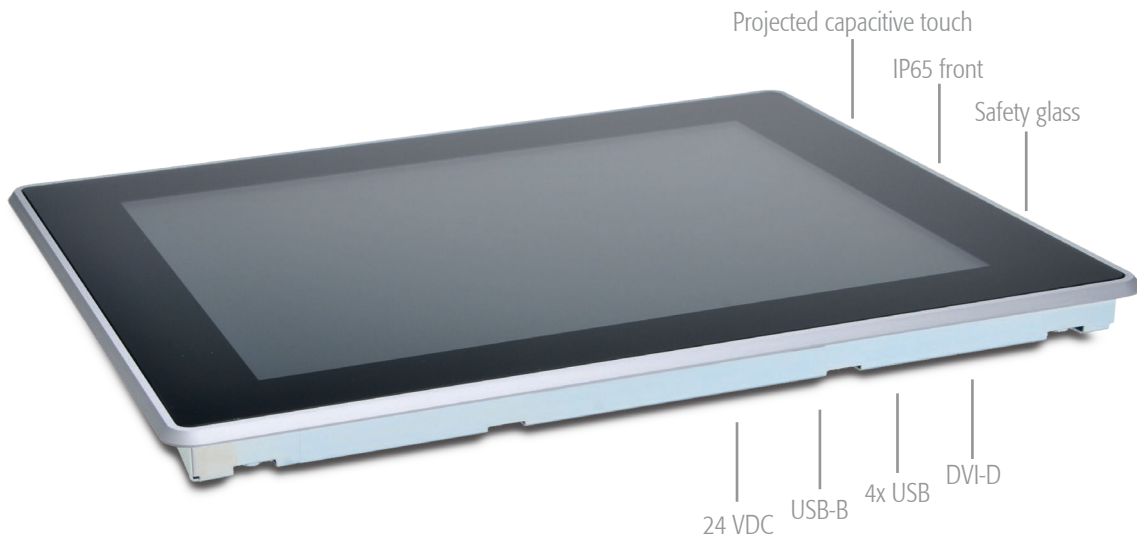


Industrial display

TFT/PBxxxPU Series (Build-in)

Projected capacitive touch panel display



TFT/PBxxxPU

A robust industrial touch panel monitor with a 10.4, 12.1 or 15 inch display, projected capacitive touch and chemical resistant front. This version comes with an advanced DVI and FPD-Link II Board with an integrated 4 Port USB hub. The fan less devices are well suited for heavy industrial use. Designed with IP65 protection at the front.

- 24/7 continuous operation
- Maintenance free
- Safety glass, scratch resistant
- Product lifecycle management
- LED Backlight



Product Highlights

Low Power
Fan less design
ESD- protection on all interfaces
Reverse polarity protection
Long term availability

Product Feature

10.4, 12.1 and 15 inch display
Projected capacitive touch technology
DVI-D
FPD-Link II (optional)
4 port USB hub

Markets / Applications

Industrial Automation
Maritime
Railway industry
Transportation and vehicle construction
PLC replacement
Cleantech

	Order Code	TFT/PB104PU-A102E	TFT/PB121PU-A102E	TFT/PB150PU-A102E
TFT Display				
Screen size [inch]		10.4	12.1	15
Resolution [pixel]		1024 x 768 (XGA)	1024 x 768 (XGA)	1024 x 768 (XGA)
Brightness [cd/m ²]		450	500	450
Brightness 500...1000 cd/m ² ¹		optional	optional	optional
LED Backlight		•	•	•
Contrast ratio 700:1		•	•	•
Viewing angle		H-178° V-178°	H-160° V-160°	H-160° V-150°
Color performance 16.2M		•	•	•
Touch Screen				
Projected capacitive technology		•	•	•
Scratch and break resistant front glass		•	•	•
Peripherals / Communication Interfaces				
Digital-Video-Interface (DVI-D)		•	•	•
FPD-Link II (RJ45)		optional	optional	optional
4 port USB hub (version 2.0 high or full speed)		•	•	•
USB-B (Touch signal to computer)		•	•	•
RS232 (Touch signal to computer)		optional	optional	optional
Brightness control		•	•	•
Technical Data				
Dimensions W x H x D [mm]		288 x 234 x 53.5	333 x 275 x 53.5	395 x 312 x 55.5
Net weight [gram]		2900	3700	4900
Front cutout dimensions [mm]		271 x 217 ^{-0/+2}	316 x 258 ^{-0/+2}	378 x 295 ^{-0/+2}
Wall thickness [mm]		1 to 5	1 to 5	1 to 5
Input Voltage 15...30VDC non-isolated		•	•	•
Power consumption typ. in Watt @ 24V (without Add-ons)		~ 13	~ 15	~ 16
Environmental Conditions				
Operating temperature -30°C to +60°C ³		•	•	•
Operating temperature (cold start up) -20°C to +60°C ²		•	•	•
Storage temperature -20°C to +75°C		•	•	•
Humidity 20 to 90% non condensing		•	•	•
Protection standard IP65 front IP20 rear		•	•	•
Shock: designed to meet EN60068-2-27		•	•	•
Vibration: designed to meet EN60068-2-6		•	•	•
EMI Conformity EN-55022/55024/61000-6-2/61000-6-4		•	•	•
MTBF ~ 200 000h (22.8 years) ^{excluding display}		•	•	•

¹ Please contact factory for minimum order quantities

² On component level. Please check manual for further information

Product specifications subject to change without notice. | All data is for information purposes only and not guaranteed for legal purposes. Information in this data sheet has been carefully checked and is believed to be accurate. However, no responsibility is assumed for inaccuracies. Please refer to the user documentation for additional product specification.

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