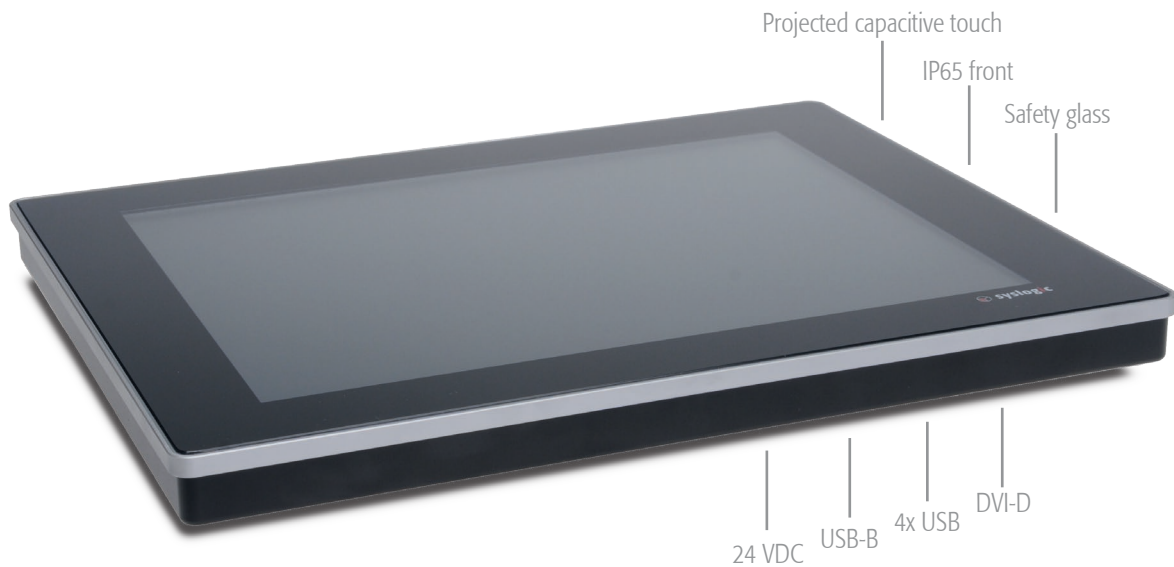


## TFT/PVxxxPU Series (VESA mount)

Projected capacitive touch panel monitor



## TFT/PVxxxPU

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/PV104PU-A102E	TFT/PV121PU-A102E	TFT/PV150PU-A102E
<b>TFT Display</b>				
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 <sup>2</sup> ]		450	500	450
Brightness 500...1000 cd/m <sup>2</sup> <sup>1</sup>		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		•	•	•
<b>Touch Screen</b>				
Projected capacitive technology		•	•	•
Scratch and break resistant front glass		•	•	•
<b>Peripherals / Communication Interfaces</b>				
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		•	•	•
<b>Technical Data</b>				
Dimensions W x H x D [mm]		278 x 224 x 62	323 x 265 x 62	385 x 322 x 65
Net weight [gram]		2700	3300	4500
VESA mounting [mm]		100 x 100	100 x 100	100 x 100
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
<b>Environmental Conditions</b>				
Operating temperature -30°C to +60°C <sup>3</sup>		•	•	•
Operating temperature (cold start up) -20°C to +60°C <sup>2</sup>		•	•	•
Storage temperature -20°C to +75°C		•	•	•
Humidity 20 to 90% non condensing		•	•	•
Protection standard IP65 front   IP40 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) <sup>excluding display</sup>		•	•	•

<sup>1</sup> Please contact factory for minimum order quantities

<sup>2</sup> 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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Syslogic Datentechnik AG  
Täferstrasse 28  
CH-5405 Baden Dättwil

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For further information and support:  
[info@syslogic.com](mailto:info@syslogic.com)  
[support@syslogic.com](mailto:support@syslogic.com)  
[www.syslogic.com](http://www.syslogic.com)

+41 56 200 90 40 Switzerland (Headquarters)  
+49 7741 967 14 20 Germany and Austria

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