

PROTOUCH Monitor Series (Build-in)

Projected capacitive touch panel monitor with DVI, Displayport and VGA



IP65 front

24 VDC USB-B (Touch) DP VGA DVI

TFT/PB101PU-C

A robust industrial touch panel monitor with a 10.1 inch clear bright display with projected capacitive touch and resistant front. This version comes with an advanced DVI, Displayport and VGA Display controller board directly attached to the display housing. The fan less devices are well suited for heavy industrial use. Designed with IP65 protection at the front.

- **Build-in version**
- **24/7 continuous operation**
- **No moving parts, maintenance free**
- **Long term availability with fixed BOM**
- **LED backlight**



Product Highlights

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

Product Features

10.1 inch display
Wear free projected capacitive touch technology
USB Touch Interface
DVI Input
DisplayPort Input
VGA Input

Markets / Applications

Industrial Automation
Transportation and vehicle construction
PLC replacement
Cleantech/SMART Energy

TFT Display	
Screen size [inch]	10.1
Resolution [pixel]	1280 x 800 (widescreen)
Brightness [cd/m ²]	850
Contrast ratio 800:1 Color performance 16.7M	•
Viewing angle	H-170° V-170°
Touch Screen	
Projected capacitive technology with resistant front glass	•
Peripherals / Communication Interfaces	
On Screen Display (OSD) (brightness control, colors, etc.)	•
Digital-Video-Interface (DVI-D)	•
DisplayPort	•
VGA (RGB)	•
USB-B (Touch signal to computer)	•
RS232 for monitor control	optional
Technical Data	
Dimensions W x H x D [mm]	274 x 193 x 52
Net weight [gram]	~2100
Front cutout dimensions [mm]	259 x 178
Wall thickness [mm]	1 to 5
Input Voltage 9...30VDC non-isolated	•
Power consumption typ. in Watt @ 24V (100% Backlight, no Add-ons)	~9.5
Power consumption typ. in Watt @ 24V (30% Backlight, no Add-ons)	~5.5
Environmental Conditions	
Operating temperature	-20°C to +60°C ³
Storage temperature	-20°C to +70°C
Humidity 20 to 90% non condensing (less than 70g/m ³ above +70°C)	•
Protection standard IP65 front IP20 rear	•
Shock: designed to meet EN60068-2-27	•
Vibration: designed to meet EN60068-2-6	•
EMI Conformity EN55032/55035	•
Safety according to IEC 62368-1	optional
MTBF ~ 100 000h (11.4years) <small>excluding display, excluding battery</small>	•

¹ Please contact factory for minimum order quantities

² on internal header

³ Depending on installation situation and interface connection. Please see user documentation.

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
support@syslogic.com
www.syslogic.com

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