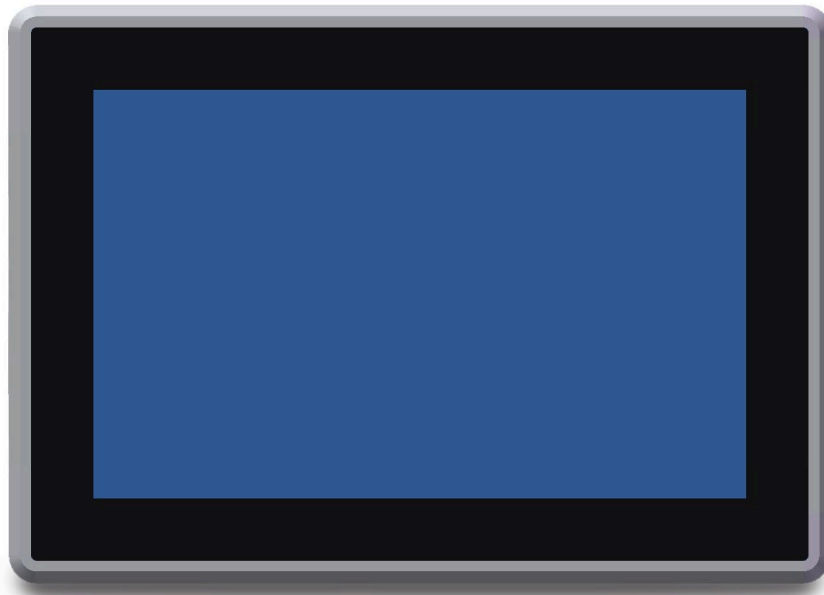


# PROTOUCH Monitor Series (Build-in)

Projected capacitive touch panel monitor with DVI, Displayport and VGA

# Preliminary

optional  
LTE / GPS / Wi-Fi / BT  

IP65 front

24 VDC    CAN    2x RS232    2x LAN    4x USB  
RS485/422

## TFT/HB101PU8

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 Feature

- 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]	10.1w
Resolution [pixel]	1280 x 800
Brightness [cd/m <sup>2</sup> ]	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	
Digital-Video-Interface (DVI-D)	•
DisplyPort	•
VGA (RGB)	•
USB-B (Touch signal to computer)	•
RS232 (Touch signal to computer)	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)	~15
Environmental Conditions	
Operating temperature	-30°C to +70°C <sup>3</sup>
Operating temperature (cold start up) -20°C to +70°C <sup>3</sup>	•
Storage temperature -30°C to +80°C	•
Humidity 20 to 90% non condensing (less than 70g/m <sup>3</sup> 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 EN-55032/55024/61000-6-2/61000-6-4	•
Safety according to IEC 62368-1	optional
UL certification <sup>1</sup>	optional
MTBF ~ 100 000h (11.4years) <small>excluding display, excluding battery</small>	•

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

<sup>2</sup> on internal header

<sup>3</sup> 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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