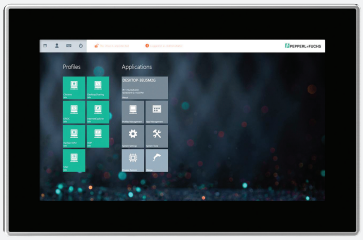


Display Unit

DPU3200-15FC-304A-V1-N0

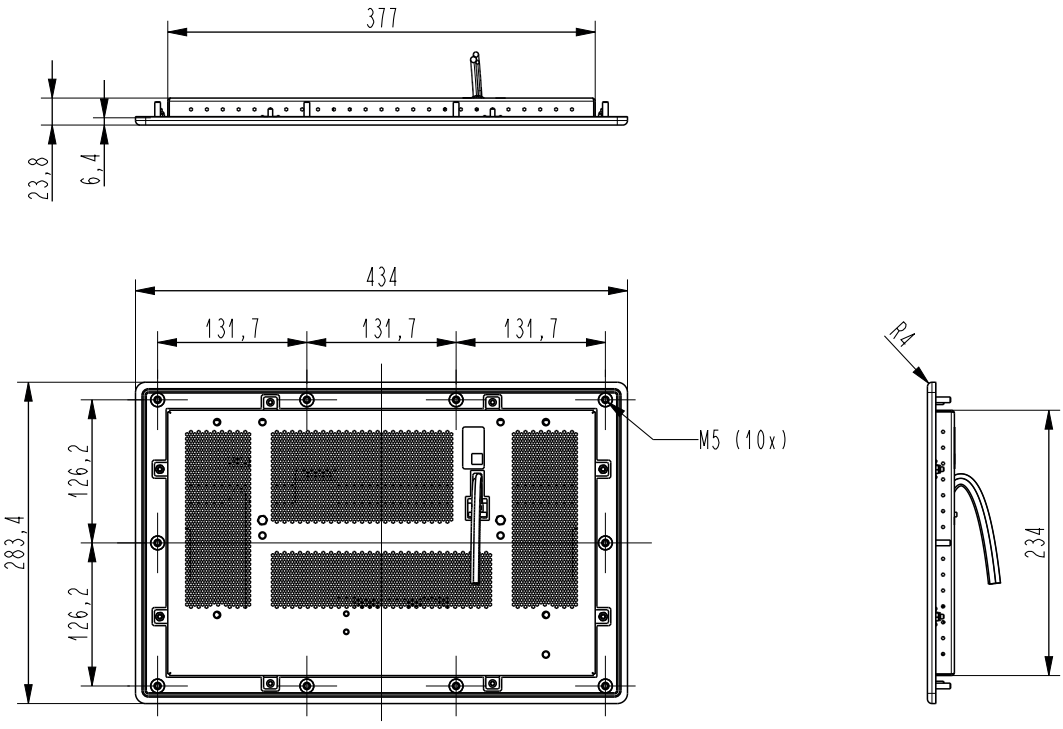
- 10 point multi-touch sensor option allows design of modern user interfaces
- Highly resistant to cleaning agents with stainless steel bezel and seamless glass design
- Design optimized for easy cleanability
- Low-power consumption and heat dissipation due to LED backlight technology

Display Unit

Function

The DPU3200-* display unit is an ATEX / IECEx certified, UL listed device intended for use in potentially explosive atmospheres of Zone 2/22. Connected to a Pepperl+Fuchs VisuNet FLX thin client unit, PC unit or DMU unit, the DPU serves as a display with a touch screen. It enables users to perceive the system outputs of the computing unit and to input user data.
The display unit can only be operated with the modular HMI components of the VisuNet FLX product line.

Dimensions



Technical Data

Supply		
Power consumption		typical 21 W
Indicators/operating means		
Display		
Type		LC display with LED backlight

Release date: 2021-09-10 Date of issue: 2021-09-10 Filename: 70128303_eng.pdf

Technical Data

Screen diagonal	39.62 cm (15.6 inch)
Resolution	1920x1080 (Full HD) , Aspect ratio 16:9
Color depth	24 bit (16.7 M) color
Contrast	800:1 (typical)
Brightness	450 cd/m² (nit)
Reading angle	170° in all directions
Life span	back lamp life: 50.000 hrs typical half life , at 25 °C (77 °F)
Input devices	
Touchscreen	10-finger multi-touch, glove friendly
Interface	
Interface type	USB-touchscreen signal, LVDS-video signal and Inverter LCD backlight pins for VisuNet FLX computing unit connection
Directive conformity	
Electromagnetic compatibility	
Directive 2014/30/EU	DIN EN 55035:2018-04
RoHS	
Directive 2011/65/EU (RoHS)	EN IEC 63000:2018
Ambient conditions	
Operating temperature	-20 ... 55 °C (-4 ... 131 °F)
Storage temperature	-20 ... 65 °C (-4 ... 149 °F)
Relative humidity	max. relative humidity 93% at 40°C (non-condensing) according to EN60068-2-78
Shock resistance	18 shocks 15 g , 11 ms all axis, IEC 60068-2-27
Vibration resistance	10 ... 150 Hz, +/- 0.075 mm , 1g, 10 cycles per axis according to EN60068-2-6
Mechanical specifications	
Degree of protection	Front side: IP66 Back side: IP20 (when mounted to the computing unit from Pepperl+Fuchs)
Material	Front bezel: Stainless steel AISI304 (glass, silicone gasket) Backside: Painted aluminum sheet metal
Surface	front: glass (optional with stainless steel bezel)
Mass	approx. 4 kg
Dimensions	434 mm x 283 mm x 24 mm
Cut out dimensions	401.5 mm x 259 mm +/- 1 mm
Data for application in connection with hazardous areas	
EU-type examination certificate	Certificate in preparation.
Marking	⟨Ex⟩ II 3 G Ex ec [ic] IIC T4 Gc ⟨Ex⟩ II 3 D Ex tc [ic] IIIC T85°C Dc
Directive conformity	
Directive 2014/34/EU	EN IEC 60079-0:2018 EN IEC 60079-7:2015+A1:2018 EN 60079-11:2012 EN 60079-31:2014
International approvals	
UL approval	Certificate in preparation.
Approved for	Ordinary location acc. UL 61010-1 and UL 61010-2-201 Hazardous location Class I, DIV 2, GPS A-D Class II, DIV 2, GPS F-G Class III Class I, ZN 2, IIC T4 Class II, ZN 2, IIIC T85°C Class III
IECEx approval	
IECEx certificate	Certificate in preparation.
IECEx marking	Ex ec [ic] IIC T4 Gc Ex tc [ic] IIIC T85°C Dc

Release date: 2021-09-10 Date of issue: 2021-09-10 Filename: 70128303_eng.pdf

Technical Data

Standards	IEC 60079-0:2017 IEC 60079-7:2015 IEC 60079-11:2011 IEC 60079-31:2013 IEC 60079-7:2015/A1:2017

Release date: 2021-09-10 Date of issue: 2021-09-10 Filename: 70128303_eng.pdf