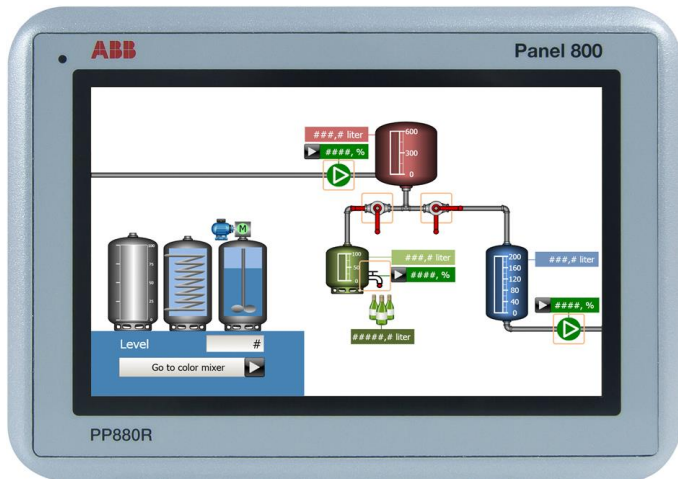


# PP880R

## Compact Product Suite hardware selector



Designed to perform in challenging and harsh environments. The powder coated gray aluminum panels include 7" (PP880R) and 15.4" (PP885R, PP886H) panels fully certified for hazardous environments by major classification societies.

With dimmable backlight to suit varied ambient light conditions, high brightness for outdoor use in bright sunlight, works in a wide temperature range from the equator to the North Pole. High vibration tolerance to withstand mechanical vibration of machine on which it is mounted. Also certified for use in hazardous areas with flammable, poisonous and corrosive fumes and gases.

### Features and benefits

- Easy to use**  
 A fully deployable HMI with comprehensive and integrated templates and libraries for every conceivable process. The Panel Builder tool, with familiar Microsoft® Windows® environment along with multiple language support results in quick, easy and efficient engineering.
- State-of-the-arts graphics**  
 Vector-based, high-resolution graphics in TFL/LED display, with icon-based interface, navigation and control.
- Robust and reliable**  
 Panel 800 is constructed in a strong yet lightweight diecast, powder-coated aluminum housing. IP66, NEMA 4X / IP20 front casing withstands wet, dusty and demanding environments. Operating temperatures ranging between -30° C to +70° C with maximum 85% humidity.
- Truly open platform**  
 Built on open architecture and technologies that accompany the .NET framework, these panels are capable of multi-brand controller connectivity. A multitude of connection options are available for local communication, expansion, remote access and more.
- Try your application before you use it**  
 Nice possibility to simulate and run the application directly from the Panel Builder 800 before you use it.

**General info**

Article number	3BSE069295R1
Category	Rugged
Display type	Touch
Display size	7"
Brightness	Standard brightness (500 cd/m2)
Display resolution, ratio	800 x 480 (16:9)
Processor	1.0 GHz Intel® Atom™
Main memory	1 GB
External storage media	1 x SD card (or SDHC with latest image loaded)
Dimension WxHxD (mm)	204 x 143 x 73
Net weight (kg)	1.4
Power supply	12 or 24 VDC (10-32 VDC)
Operating temperature	-30 to +70 °C

**Detailed data**

View angle (H/V)	140/120
Dimming	Maritime optimized to less than 1 cd/m2
Interaction type	Resistive touch, 1 million finger touch operations
Realtime clock	Yes
Ethernet (shielded RJ 45)	1 x 10/100 Base-T, 1 x 10/100/1000 Base-T
USB	3 x USB Host 2.0, max 500mA
Serial port	1 x RS232, 1 x RS422/485 (isolated)

**Environmental and certification**

Frame material, front foil	Gray powder-coated aluminum, polyester Autoflex EB
Power consumption	15.8 W typical @ 24 VDC
Protection (front/rear)	IP66, NEMA 4X / IP20
Relative operating humidity	5-85% non-condensing
Storage temperature	-40 to +85 °C
Vibration and shock	4 G / 40 G
CE-marking	EN61000-6-4, EN61000-6-2
UL	UL/cUL 61010-2-201 (replacement for UL 508), UL50E Type 4X Outdoor
Marine	DNV Location classes: Temperature: D Humidity: B Vibration: B EMC: B Enclosure: C (panel front only)  ABS, Manufacturing Assessment and Product Design Assessment  GL, Environmental Category A, D/G, EMC 1  LR, ENV1, ENV2, ENV3, ENV4 and ENV5  KR, Pt. 6, Ch. 2, Art. 301
Hazardous	UL/cUL 12.12.01 (UL1604 replacement) Class I Div 2, ATEX (Zone 2), IECEx Ex nA IIC Gc, IEC 60079-0 and IEC 60079-15
RoHS compliance	EN 50581:2012

**Dimensions**

Dimension W×H×D (mm)	204 × 143 × 73
Cut-out dimension W×H (mm)	188 × 127
Mounting depth mm. (Including clearance)	43 (143)
Mounting	Panel Mount and VESA 75 × 75

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