

# PP887H - CFC

## Compact Product Suite hardware selector



Touchscreen panels with brilliant TFT/LED display colors and multi-protocol connectivity. The rugged range of Panel 800 comprises PP886R, PP887H, PP887H-CFC, and PP887S, easy-to-use HMI with comprehensive and integrated templates and libraries for every conceivable process you need. All rugged panels are equipped with high-resolution graphics in TFT/LED display. Most models offer wide screens, high-resolution displays for increased efficiency, and excellent operator interaction.

**PP887H - CFC has a conformal coating on the printed circuit board for extra protection.**

### 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 a familiar Microsoft® Windows® environment and multiple language support results in quick, easy, and efficient engineering.
- State-of-the-art 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. Front casing withstands wet, dusty, and demanding environments. Operating temperatures range between -30° C to + 70° C with a maximum 95% 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            | 7PAA002011R1  |
| Category                  | Rugged  |
| Display type              | Touch   |
| Display size              | 15.4"   |
| Brightness                | 1000 cd/m <sup>2</sup>                                  |
| Display resolution, ratio | 1280 x 800 pixels widescreen (16:10)                    |
| Processor                 | ARM9 (1 GHz)  |
| Main memory               | 2 GB  |
| External storage media    | 1 x SD card slot (or SDHC with the latest image loaded) |
| Dimension WxHxD (mm)      | 410 x 286 x 73 mm                                       |
| Power supply              | 24 V DC (18 to 32 VDC)                                  |
| Operating temperature     | -30 °C to +70 °C  |

## Detailed data

|                           |  |
|---------------------------|--|
| Dimming                   | Marine optimized dimming down to 0.5 cd/m <sup>2</sup> |
| Interaction type          | Resistive touch  |
| Realtime clock            | Yes  |
| Ethernet (shielded RJ 45) | 2 x 10/100 Base-T                                      |
| USB                       | 2 x USB 2.0, max 500mA                                 |
| Serial port               | 1 x RS232, 1 x RS422/RS485, 1 x RS485                  |

## Environment and certification

|                             |  |
|-----------------------------|--|
| Frame material, front foil  | Gray powder-coated aluminum. Conformal coating on the printed circuit board. |
| Power consumption           | 23 W   |
| Protection (front/rear)     | Front IP66, NEMA 4X/ 12 and UL Type 4X/ 12. Rear IP20                        |
| Relative operating humidity | 5 % – 95 % non-condensed   |
| Storage temperature         | -40 °C to +80 °C   |
| Vibration and shock         | 4 G / 40 G   |
| CE-marking                  | CE, FCC, KCC   |
| UL                          | UL 61010-2-201, UL50E Type 4X, Type 12                                       |
| Marine                      | DNV, KR, GL, LR, ABS, CCS  |
| RoHS compliance             | DIRECTIVE/2011/65/EU   |
| WEEE compliance             | DIRECTIVE/2012/19/EU   |
| Hazardous Area ATEX         | II 3 G Ex ec nC IIC T4 Gc<br>II 3 D Ex tc IIIC T82 °C Dc                     |
| Hazardous Area IECEx        | Ex nA nC IIC T4 Gc<br>Ex tc IIIC T82 °C Dc                                   |
| Hazardous Location US/CAN   | CL I, DIV 2, Groups A-D T4   |
| Hazardous Area CCC          | Ex ec nC IIC T4 Gc<br>Ex tc IIIC T82 °C Dc                                   |

## Dimensions

|  |                   |
|--|-------------------|
| Weight                                   | 4.1 kg            |
| Dimension WxHxD (mm)                     | 410 x 286 x 73 mm |
| Cut-out dimension WxH (mm)               | 394 x 270 mm      |
| Mounting depth mm. (Including clearance) | 66 (166) mm       |
| Mounting                                 | Panel Mount       |

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