

# M2-PPC-24 FM (TG)

## 11th Generation Intel® Core™ Processors



### Dimensions

- Width x Height x Depth: 588 x 375 x 75 mm
- Cutout (W x H): 576 x 366 mm
- Weight: 11,5 kg ± 10%

### Housing

- Chassis: Aluminium, RAL 9005 powder coated
- Cover electronics: Steel, RAL 9005 powder coated
- Front: Glass, antireflex coated both sides

### Display

- 24" TFT Display
- LED Backlight
- Resolution: 1920 x 1080
- Brightness: 300 cd/m<sup>2</sup> (CT: 270 cd/m<sup>2</sup>)
- Full range dimming: 0-100 %
- With or without PCAP Multi-Touch

|                              |                   |  |   |
|------------------------------|-------------------|--|---|
| <b>System</b>                | Processor         | 11th Generation Intel® Core™ Processors<br>Intel® Core™ i7-1185GRE, 4 Cores, 12M Cache, 1.80 GHz up to 4.40 GHz<br>Intel® Core™ i5-1145GRE, 4 Cores, 8M Cache, 1.50 GHz up to 4.10 GHz |   |
|                              | Memory            | Up to 64GB, Dual channel DDR4 up to 3200MHz  |   |
|                              | Storage           | 1 x M.2 SSD up to 1TB or SATA3.0/PCIe Gen3 x4 NVMe<br>2 x SSD up to 2TB RAID 0/1/5   |   |
| <b>Graphics</b>              | Controller        | Intel® Iris® Xe Graphics for i7/i5 Processors  |   |
|                              | Feature           | OpenGL 4.5, DirectX 12, OpenCL 2.1<br>HW Decode: WMV9, AVC/H264, JPEG/MJPEG, HEVC/H265, VP9, AV1<br>HW Encode: AVC/H264, JPEG, HEVC/H265, VP9  |   |
|                              | Triple Displays   | Intern + DP++ + HDMI   |   |
| <b>Expansion</b>             | Interface         | 1 x PCIe x4 (Gen3 x4) Low Profile (only M2-PC-L)   |   |
| <b>Rear I/O</b>              | Ethernet          | 3 x GbE (RJ-45)  | Optional up to 5 x GbE                    |
|                              | USB               | 4 x USB 3.1 Gen2 (Type-A)<br>1 x USB 4.0 Type-C (Thunderbolt 3)<br>(Support USB 3.1 Gen2, DP 1.4)  | Optional up to 9 x USB                    |
|                              | Display           | 1 x DP++<br>1 x HDMI   |   |
|                              | Audio             | 1 x Front Audio  |   |
|                              | Serial            |  | Optional up to 4 x COM (RS232 or 422/485) |
| <b>Optional (M2 CB)</b>      | Controller        | M2 Controller Board  |   |
|                              | Feature           | 1 x Internal Alarm-Buzzer<br>1 x Out for ext. Alarm-Buzzer<br>1 x Potentiometer In, 2 x Push Button In<br>2 x Out for Status LED   |   |
| <b>Watchdog Timer</b>        | Output & Interval | System Reset, Programmable via Software from 1 to 255 Seconds  |   |
| <b>Security</b>              | TPM               | dTPM 2.0/TPM (Opt.)  |   |
| <b>Power Options</b>         | DC                | 24 VDC   |   |
|                              | AC                | 230/115 VAC (50/60Hz)  |   |
|                              | DCAC              | 24 VDC, 230/115 VAC (50/60Hz)  |   |
| <b>OS Support</b>            | Microsoft/ Linux  | Windows 10 IoT Enterprise 64-bit<br>Linux  |   |
| <b>Environment</b>           | Operating Temp.   | -15 to +55°C   |   |
|                              | Storage Temp.     | -20 to +70°C   |   |
|                              | IP Rating         | IP66 (front) - IP20 (rear)   |   |
| <b>Compass Safe Distance</b> | Standard Compass  | 0.85 m in all directions   |   |
|                              | Steering Compass  | 0.60 m in all directions   |   |
| <b>Type Approval</b>         |                   | DNV, Tested according to EN 60945<br>EU-RO-MR <sup>(*)</sup>   |   |

(\*) expected Q1/2023

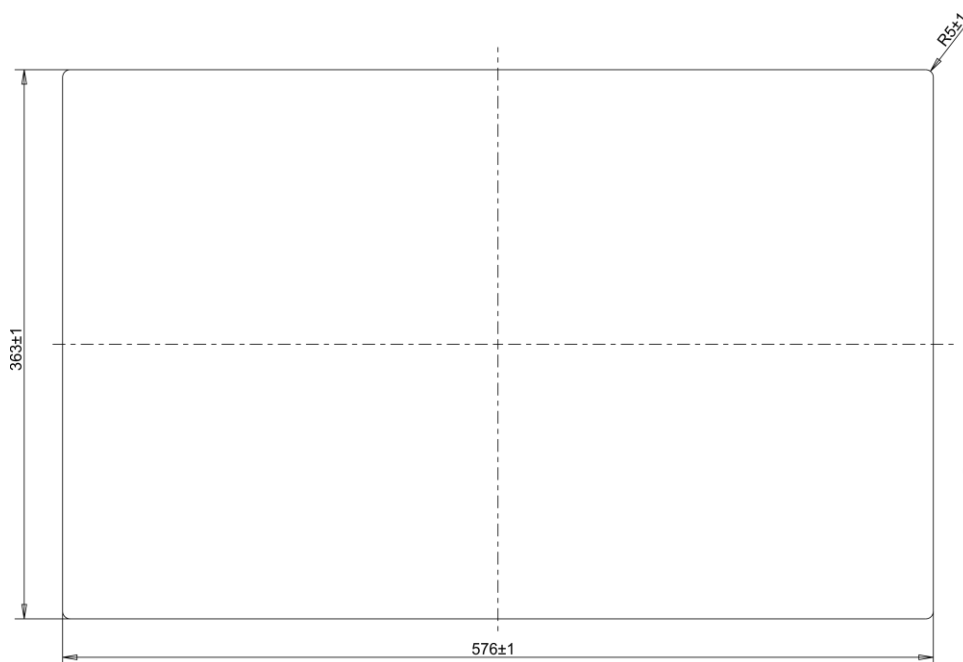
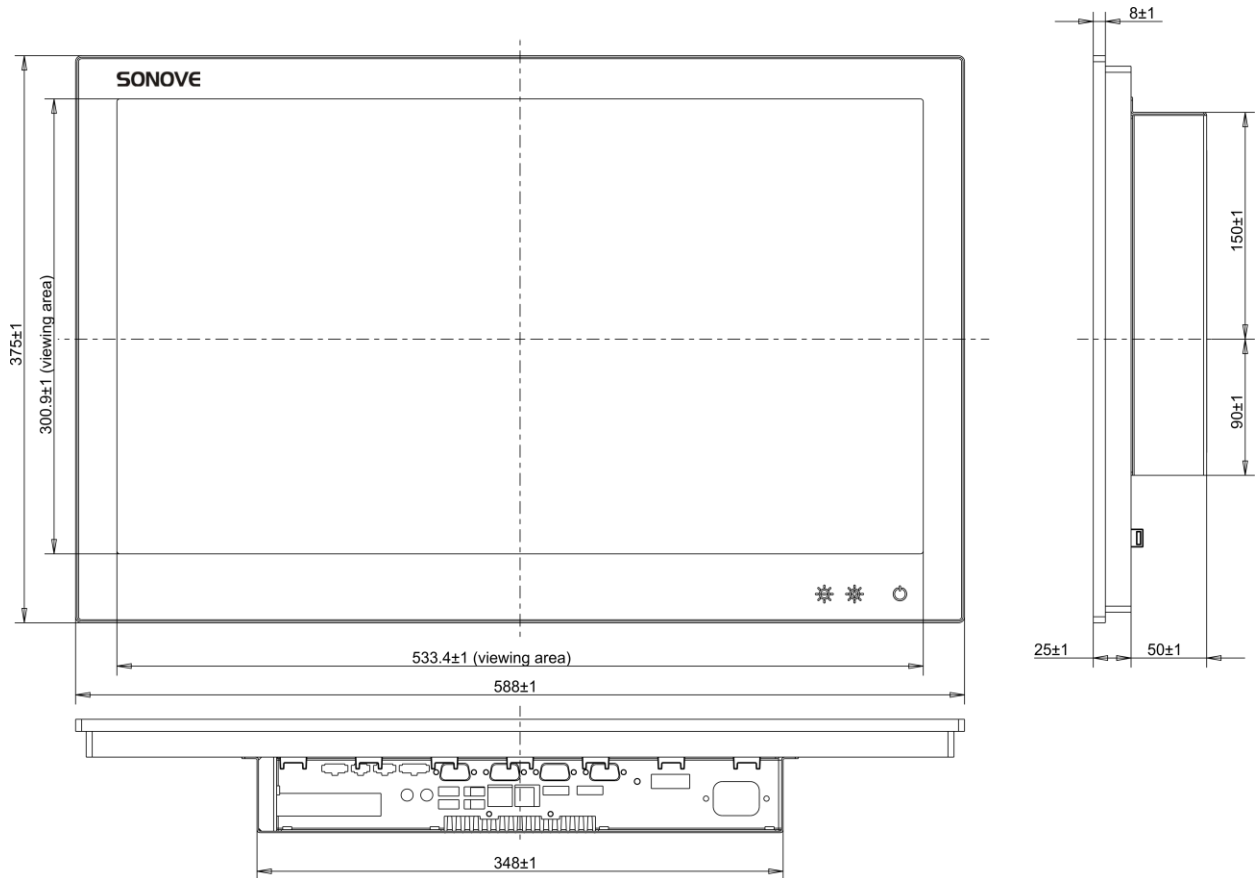
Options and additional features are configurable. Contact your Sonove sales representative for further information.  
Depending on the product configuration, interfaces or slot brackets may differ from the figures in this document.

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## Drawings



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