

# M2-PPC-18.5 FM (S)

## 6th Generation Intel® Core™ Processors



### Dimensions

- Width x Height x Depth: 470 x 298 x 75 mm
- Cutout (W x H): 458 x 286 mm
- Weight: 9 kg ± 10%

### Housing

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

### Display

- 18.5" 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         | 6th Generation Intel® Core™ Processors<br>Intel® Core™ i7-6600U, 2 Cores, 4M Cache, 2.60 GHz up to 3.40 GHz<br>Intel® Core™ i5-6300U, 2 Cores, 3M Cache, 2.40 GHz up to 3.00 GHz |   |
|                              | Memory            | Up to 16GB, Dual Channel DDR3L 1600MHz   |   |
|                              | Storage           | 1 x mSATA SSD up to 1TB<br>2 x SSD up to 2TB RAID 0/1/5  |   |
| <b>Graphics</b>              | Controller        | Intel® HD Graphics 520   |   |
|                              | Feature           | OpenGL 4.4, DirectX 12, OpenCL 2.1<br>HW Decode: AVC/H.264, MPEG2, VC1/WMV9, JPEG/MJPEG, HEVC/H265, VP8, VP9<br>HW Encode: AVC/H.264, MPEG2, JPEG, HEVC/H265, VP8, VP9           |   |
|                              | Dual Displays     | 1 x DP + 1 x DP++  |   |
| <b>Expansion</b>             | Interface         | 1 x PCIe x4 (Gen3) Low Profile   |   |
| <b>Rear I/O</b>              | Ethernet          | 2 x GbE (RJ-45)  | Optional up to 4 x GbE                    |
|                              | USB               | 4 x USB 3.0  | Optional up to 8 x USB                    |
|                              | Display           | 1 x DP<br>1 x DP++   |   |
|                              | Audio             | 1 x Line-out 1 x Mic-in  |   |
|                              | 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 (available upon request)  |   |
| <b>Power Options</b>         | DC                | 24 VDC   |   |
|                              | AC                | 230/115 VAC (50/60Hz)  |   |
|                              | DCAC              | 24 VDC + 230/115 VAC (redundant)   |   |
| <b>OS Support</b>            | Microsoft/ Linux  | Windows 7<br>Windows 8.1<br>Windows 10<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  | 0.65 m in all directions   |   |
| <b>Type Approval</b>         |                   | DNV, Tested according to EN 60945<br>EU-RO-MR <sup>(*)</sup>   |   |

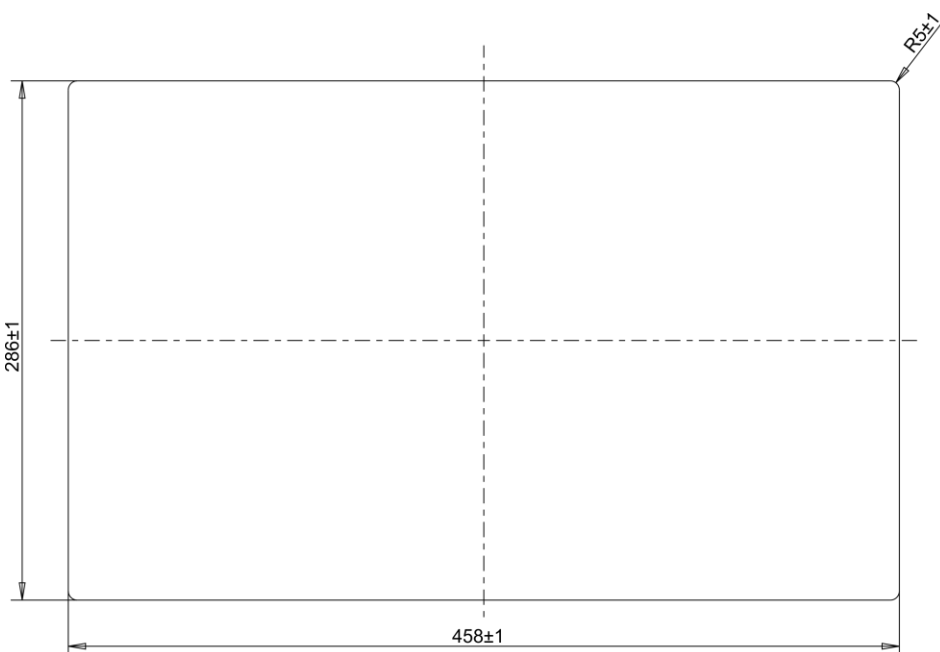
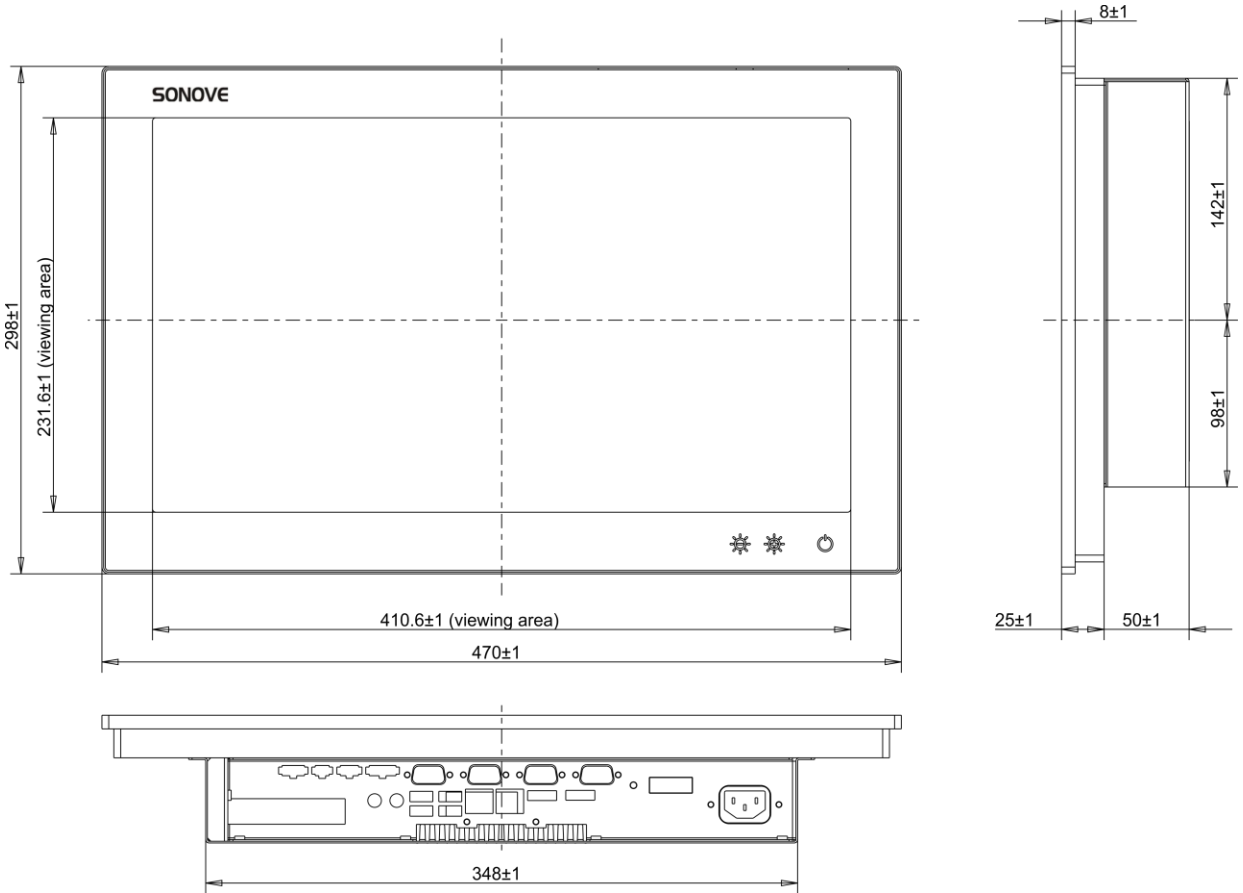
(\*) expected Q2/2024

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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