

# M2-PPC-18.5 FM (K)

## 7th 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

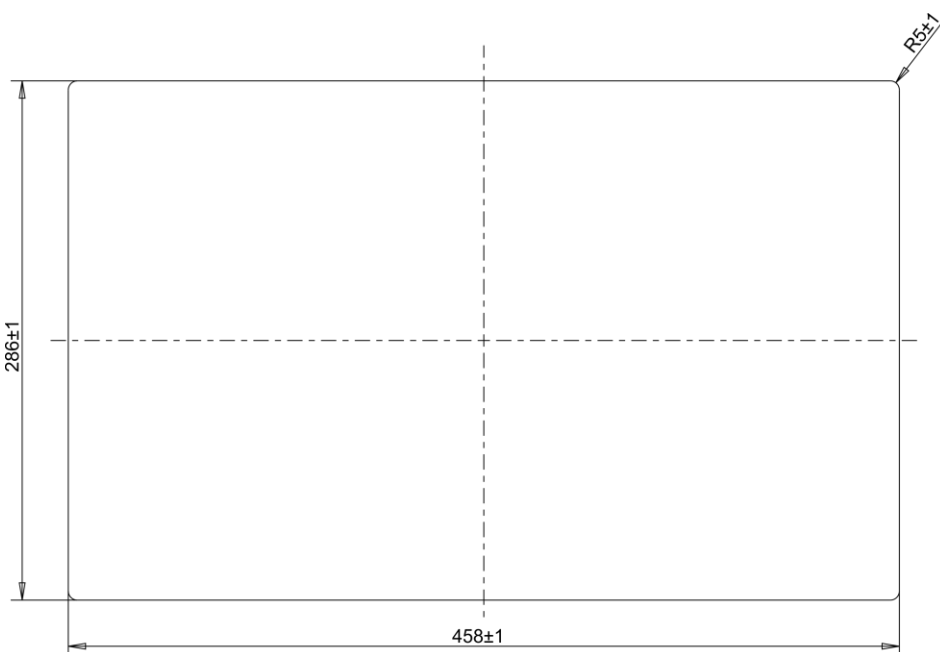
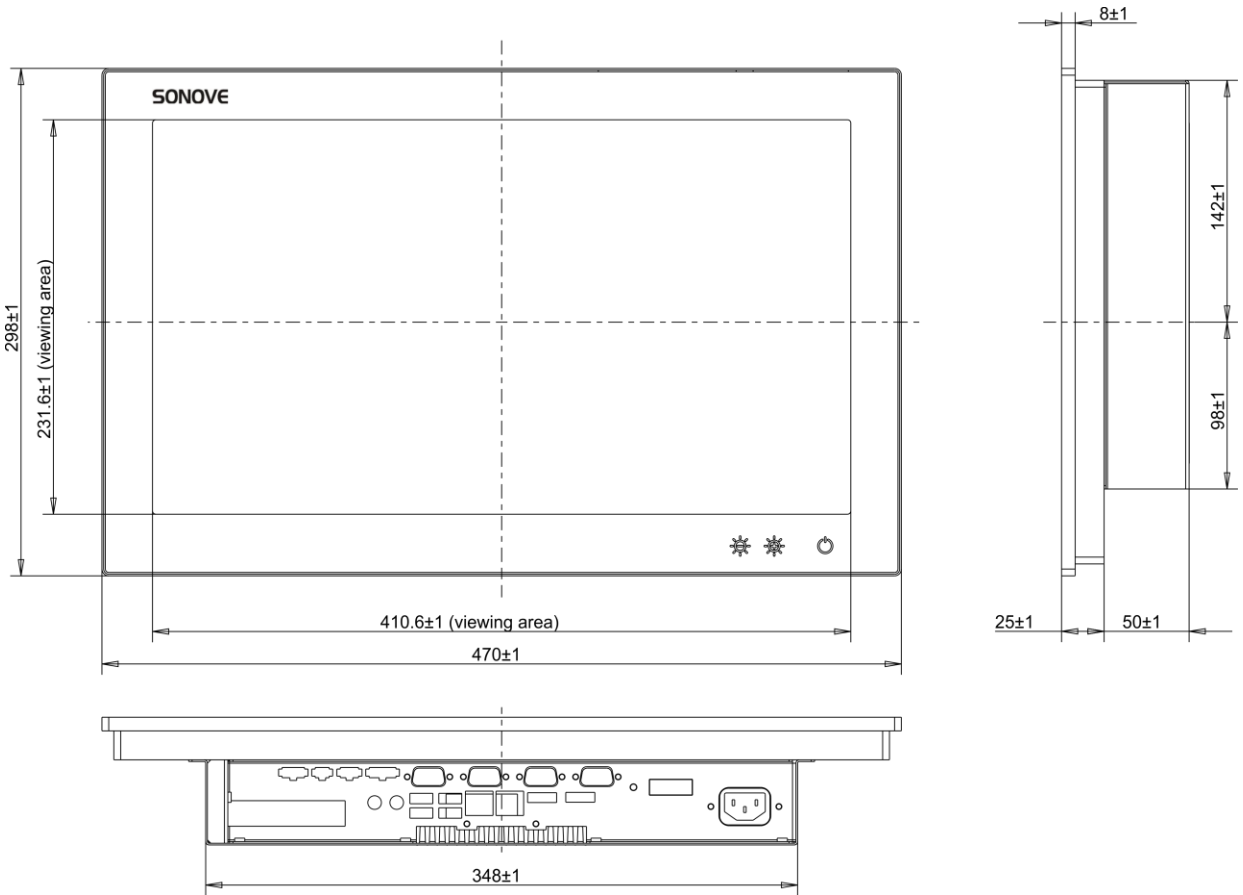
<b>System</b>	Processor	7th Generation Intel® Core™ Processors Intel® Core™ i7-7600U, 2 Cores, 4M Cache, 2.80 GHz up to 3.90 GHz Intel® Core™ i5-7300U, 2 Cores, 3M Cache, 2.60 GHz up to 3.50 GHz Intel® Core™ i3-7100U, 2 Cores, 3M Cache, 2.40 GHz Intel® Celeron® 3965U, 2 Cores, 2M Cache, 2.20 GHz	
	Memory	Up to 32GB, Dual Channel DDR4 1866/2133MHz	
	Storage	1 x M.2 SSD up to 1TB or SATA3.0/PCIe Gen3 x2 NVMe 2 x SSD up to 2TB RAID 0/1/5	
<b>Graphics</b>	Controller	Intel® HD Graphics GT Series	
	Feature	OpenGL 4.4, DirectX 12, OpenCL 2.1 HW Decode: AVC/H.264, MPEG2, VC1/WMV9, JPEG/MJPEG, HEVC/H265, VP8, VP9 HW Encode: AVC/H.264, MPEG2, JPEG, HEVC/H265, VP8, VP9	
	Dual Displays	2 x DP++	
<b>Expansion</b>	Interface	1 x PCIe x4 (Gen 3) 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	2 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 1 x Out for ext. Alarm-Buzzer 1 x Potentiometer In, 2 x Push Button In 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	TPM 2.0 (Opt.)	
<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 10 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	- TBD -	
	Steering Compass	- TBD -	
<b>Type Approval</b>		DNV GL	
		Tested according to EN 60945	
		In progress, expected Q2/2022 DNV, EU RO MR; Tested according to EN 60945	

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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