

## Wave SMART Monitors

### Principal Design

The Wave II series is built on a modular design, meaning that a SMART version will be realized by adding a CPU in the interchangeable Electronics Box of the already completed and type approved monitors.

All Wave SMART Monitors will remain fanless, and come in both touch and non-touch versions.

### Wave SMART Monitor Electronics Unit spec:

TECHNICAL DATA							
CPU	i.MX6 single core	i.MX6 quad core	i.MX8 QuadMax	Intel Celeron N3350	Intel Pentium N4200	Atom-x5-E3930	Atom-x5-E3950
Passmark score*	N/A			1100	2100	800	1900
CPU TDP	1W	3W	4W	6W	6W	6W	9W
Graphics	Vivante GC880	Vivante GC2000	2 x GC7000XSVX	Intel® HD Graphics 500	Intel® HD Graphics 505	Intel® HD Graphics 500	Intel® HD Graphics 505
SSD	1GB eMMC	4GB eMMC	16GB eMMC	8GB eMMC	32GB eMMC	8GB eMMC	32GB eMMC
RAM	1GB DDR3	2GB DDR3	4GB DDR4	4GB DDR3	8GB DDR3	4GB DDR3 ECC	8GB DDR3 ECC
Ethernet	1 x 10/100/1000 (RJ45) (two ports optional)						
Video input	None (1 x DVI + 1 x Display Port optional)						
USB	2 x USB 2.0						
Serial interface	1 x RS232 (D-SUB) (1 x RS485/422 (Phoenix FMC) optional)						
OS supported	Linux and Windows Embedded			Linux and Windows			
Operating temp (CPU)	-40 – 85C			0 – 60C		-40 – 85C	

\* Indicative performance indicator.

All monitor sizes from 18.5" to 32" can be accommodated in a Wave SMART Monitor, inclusive of the 24" High Bright version.

### Selected Monitor Specs:

TECHNICAL DATA							
Screen size	18.5" 16:9	19" 5:4	21.5" 16:9	24" 16:9	24"HB 16:9	27" 16:9	32" 16:9
Resolution	1920 x 1080	1280 x 1024	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
Brightness	350 cd/m <sup>2</sup>	300 cd/m <sup>2</sup>	300 cd/m <sup>2</sup>	300 cd/m <sup>2</sup>	1500 cd/ m <sup>2</sup>	350 cd/m <sup>2</sup>	500 cd/m <sup>2</sup>
Response time	20 ms	20 ms	16 ms	25 ms	25 ms	12 ms	10 ms
Power consumption	30-33 W	28-31 W	36-39 W	55-58 W	71-74W	35-38 W	54-57 W
Weight	6.4 kg	7 kg	6.6 kg	7.5 kg	7.5 kg	8.5 kg	13 kg
Glass / Touch type	Anti-Reflective, tempered 3 mm glass or P-CAP multitouch (10 simultaneous points)						4mm
Viewing angle	89 / 89 / 89 / 89						
Backlight lifetime	Typ. 50 000 hrs						
Dimming range	0 – 100 %						
Power input	90-264 VAC (IEC Inlet) (DC single or AC/DC multipower optional)						