

	Apex APC23MC-13	Apex APC23MC-15
Screen Diagonal:	23" (584.2mm) Aspect Ratio 16:9	
Resolution:	FHD 1920 x 1080p @ 60Hz (Native)*	
Pixel Pitch:	0.2652mm x 0.2652mm	
Display Area:	509.18mm(H) x 286.41mm(V)	
Viewing Angles:	178°(Left/Right) / 178°(Up/Down)	
Brightness:	300 cd/m²	
Contrast Ratio:	1000:1	
Response Time:	16ms (Rise & Fall)	
Colours:	16.7M (RGB 8 bits)	
Second Output:	(VGA) 1920 x 1200 @ 60Hz	(HDMI) 4096 x 2160 @ 60Hz
CPU:	Intel® Elkhart Lake SoC Processor, J6412, max. speed up to 2.6GHz, Quad-Core, 10W	Intel® Alder Lake-PS Core™ Processors, up to 45W i3 i5 i7
Bios:	AMI SPI 256 Mbit	AMI SPI 256 Mbit
Memory:	2 x SO-DIMM DDR4 3200MHz, up to 32GB	1 x SO-DIMM, DDR5 4800MHz, up to 32GB
Storage - M.2:	1 x M.2 (Key M) with PCIe x1 for SSD	1 x M.2 (Key M) with PCIe Gen4x4 for SSD
- SATA:	1 x SATA3 (6Gb/s)	1 x SATA3 (6Gb/s)
Expansion Slot - M.2:	1 x M.2 (Key B, 3042/3052) with PCIe x1/USB 3.2/USB 2.0 and SIM for 4G/5G 1 x M.2 (Key E, 2230) with PCIe x1 and USB 2.0 for Wireless	1 x M.2 (Key E, 2230) with PCIe Gen3 x1 and USB 2.0 for Wireless
SIM:	1 x SIM socket connected to M.2 key B	
O/S:	Win11 IoT Enterprise / Win11 Pro	
	Option: No O/S	
Security:	TPM 2.0 onboard IC	
I/O Connectors - Standard:	3 x USB (IP66 M12 conn.) 1 x GigaBit LAN (IP66 M12 conn.) 1 x VGA out (15-way D-type, IP66)	
I/O Connectors - Optional:	4 x USB (up to) 2 x Serial RS232/422/485 2 x GigaBit LAN	
(Contact us for more details)		
I/O Cables:	Contact Nemacon for details on the cables available to maintain the IP66 seal	
Wi-Fi Option:	Single / Dual-band Wi-Fi, 1 or 2 x Antennas (IP66)	
Touchscreen: (options)	Surface Capacitive, 10-point Multi-touch 5-wire Resistive (ELO option) Black-Border, Projected Capacitive, 10-point Multi-touch	
Non-Touch option:	Anti-Glare Polycarb Screen Overlay	
Power Supply: (options)	90-265V AC Input (IP66 M12 conn.) 12V/24V/48V DC Input (IP66 M12 conn.) - Optional	
Power On:	AT/ATX Supported (customer to choose when ordering) - AT: Directly PWR On as power input ready -ATX: Press button to PWR On after power input ready	
Power Consumption:	T.B.C.	T.B.C.
Housing:	6-Sides IP66 Fully-Sealed with Industry Standard M12 Connectors and D-type Connectors Standard: Treated Steel - Black Textured Paint finish Options: Grade 304/316 Stainless Steel Bespoke Paint Custom Sizes Custom Specifications	
Dimensions:	For current dimensions & drawings please contact: sales@nemacon.co.uk	
Weight:	13kg (approx.)	
Mounting:	100mm x 100mm VESA Mounting on rear For mounting Brackets and Desk-Stands visit: https://www.ergomounts.co.uk Nemacon Ltd are a UK reseller for ergomounts products.	
Operating Temp:	0°C to +50°C	
Storage Temp:	-20°C to +60°C	
Humidity:	5% to 90% Relative Humidity, non-condensing Breathable Air Vent for Equalising Pressure & Reducing Condensation	
Approvals:	UKCA	
Applications:	Automation Advertising Food Processing Marine Pharmaceutical Oil & Gas Industry	
Warranty:	5-Years return to Nemacon	

** Approx. reading, contact Nemacon Ltd for an accurate figure based on a particular configuration.

All information correct at time of writing, subject to change.