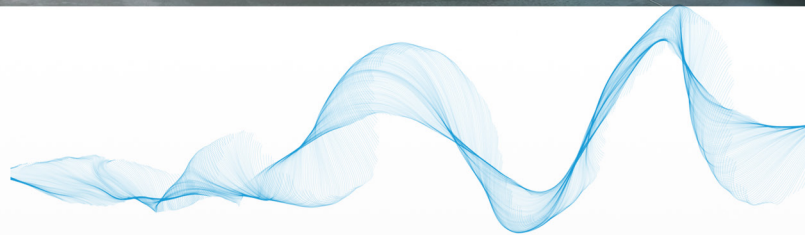




element[™]



INDUSTRIAL STAINLESS STEEL PANEL PC SERIES
Solution Brief

ELEMENT INDUSTRIAL GRADE PANEL PC SERIES

The Element industrial-grade stainless steel panel PC is built to suit the most challenging environments. All units in the series have undergone rigorous testing to ensure safety and top performance. The front glass enclosure offers complete protection from water and dust making the Element industrial stainless steel range the ideal solution for environments with hygienic requirements.

Featuring a full flat resistive touch (or optional PCAP Touch) and chassis mount with downward I.O to save installation space, Element stainless steel panel PCs go beyond that of the standard industrial panel computers. Elegant, rugged construction, powerful performance, and flexible mounting options make it a perfect solution for food, beverage and pharmaceutical industry, including chemical manufacturing and other industrial applications.



-  USB 3.0 Ready
-  Water proof speaker
-  COM+ power 5V/12V for customisation






Expandable Design

Size from 10\" to 23.8\" TFT LCD

Full Range of LCD Sizes

-  IP67 / IP69K Waterproof
-  Touch on/off for hygienic cleaning
-  24/7 Operation without limitation
-  Stainless steel housing

Harsh Environment Solution

-  Customisation Service
-  Warranty
-  CE
-  VCCI
-  FCC Class B

High Quality and Customisable Service

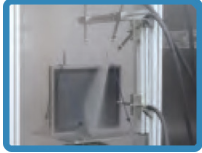


STAINLESS STEEL PANEL PC DESIGN BENEFITS

Full IP66/67/69K Rating

With protective glass installed in the front panel, the unit has full ingress protection from water and dust

Water/dust proof
100% Guarantee



IP69K Tested

IP69K waterproof standard achieved through high pressure and hot steam cleaning test

Intel High Performance CPU



Full Flat Touch



i-Cooling Smart Thermal Control

With innovating i-cooling smart thermal control, the CPU is highly effective after continuous long term operation



IP68 Adapter



Waterproof Speaker

Customisable service to integrate 2W and 5W speakers to keep the system dust/ waterproof



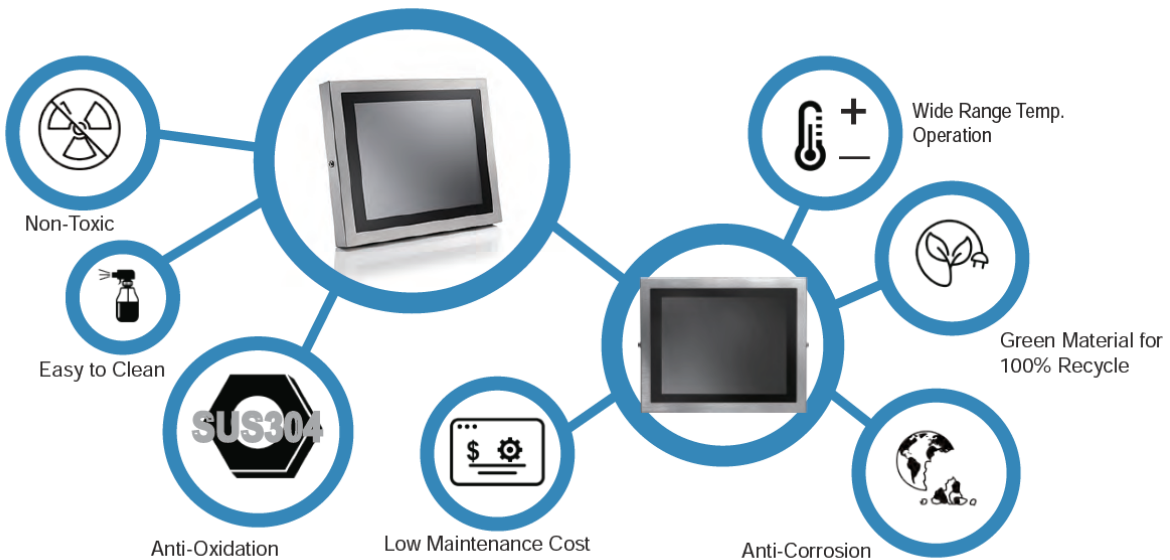
Bottom M12 Metal Connectors

All connectors located at the bottom of a device to meet most food factory requirements

Robust Wireless Antenna for Easy Clean

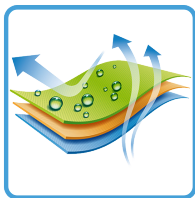
While a traditional wireless dipole antenna can be damaged by the user during cleaning, our wireless PCB type antenna and a heavy-duty cover make it easy to clean and offer extra protection in harsh environments.

STAINLESS STEEL PANEL PC DESIGN BENEFITS





FEATURE HIGHLIGHTS



Powerful thermal solution with stable CPU operation

- Fanless cooling by high heat efficiency heat pipe and large heat dissipation heatsink. Optimal MB power design to maximise power efficiency and minimise heat generation.
- PTFE ventilation film helps exhaust hot air for air pressure balance to avoid stainless steel case deformation and ensure enclosure IP grade is still effective.



100% water/ dust proof

With a no-gap housing design and IP66/69K with M12 connector the units are 100% water/dust proof, and all products are 100% vacuum pressure verified before shipping out.



Fit for extreme environments and wide range of temperatures

24/7 operation, and high brightness LCD in temperatures ranging from -20 to 60°C.



Space-saving design

External IO positioned at the bottom. Wall & table mounting options available.



ELEMENT INDUSTRIAL STAINLESS STEEL PANEL PC SELECTION GUIDE



Product		I15P	I19P	I22P	I24P
	Size	15"	19"	21.5"	23.8"
	Resolution	1024 x 768 (XGA)	1280 x 1024 (SXGA)	1920 x 1080 (FHD)	1920 x 1080 (FHD)
	Colour Numbers	16.7M			
	View Angle (H/V)	160/160	170/160	178/178	178/178
	Contrast	600:1	1000:1	1000:1	3000:1
	Brightness (nits)	450	350	350	250
Touch Panel & IO	Type	Full Flat Resistive Touch (Full Flat P-cap Touch for option)			Full Flat Pcap Touch
	USB	1 x M12 8pin for USB 1/2, 1 x M12 8pin for USB 3/4			
	COM	1 x M12 8pin for COM 1/RS-232/422/485 1 x M12 8pin for COM 2/RS-232			
	LAN	1 x M12 8pin			
Main System	CPU	Intel® Skylake / Kaby Lake			
	Memory	up to 32G			
	OS support	Win7 / Win8 / Win10			
Storage & Expansion	HDD	128G SSD			
	Expansion Slot	Mini PCIe x 1, M.2 Type E x 1			
Mechanical & Environmental	Weight (kg)	8.4	11.5	12	14.8
	Operating Temp.	-20~60°C			
	IP rating	IP66 / IP67 / IP69K			
	Cooling	Fanless			
Power	Power Input	DC9~32V			
	Power Adapter	AC100~240V			AC100~277V
	Power Consumption	60.3W	52.9W	52.9W	



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