ORCA MAX Core™ i5 series
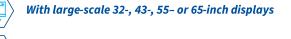
Full IP66/IP69K stainless steel panel PCs with large 32 ~ 65-inch displays

Features

› Food grade industrial panel PCs with LCD monitor
› 32″ to 65″ screen sizes available
› Intel® Core™ Tigerlake 11th Gen. i5-1145G7E up to 2.3GHz
› Full IP66 / IP65 (optional up to Full IP69K)
› 2x 8GB DDR4 SODIMM RAM (up to 64GB)
› PCAP multi-touchscreen or tempered AR glass
› 1,920 x 1,080 @ 60Hz full HD resolution
› Completely fanless, corrosion-free stainless steel chassis

up to full IP69K

With large-scale 32-, 43-, 55– or 65-inch displays
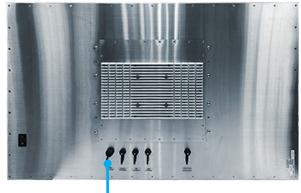
Intel® Core™ Tigerlake 11th Gen. i5-1145G7E CPU

Optional up to Full IP69K rating for high pressure cleaning

M12 connectors

Professional stainless steel HMI terminals for hygienic areas and food processing

The ORCA MAX Core™ i5 series consists of a range of food grade stainless steel panel PCs designed for use in hygienic environments including food processing. The models feature a choice of 32-, 43-, 55- or 65-inch PCAP touchscreens with 1,920x1,080 resolution, providing a clear and crisp display of information and data.

The panel PCs are equipped with a powerful 11th generation Intel® Core™ i5 processor for fast and efficient performance. Up to 64GB of DDR4 RAM and a memory slot for a 256GB M.2 E-Key (2230) SSD are available to ensure smooth and reliable system performance. An integrated TPM 2.0 module enables Windows 11 installation.

In addition, the ORCA MAX Core™ i5 series offers various connectivity options, including USB 2.0, COM and GbE LAN. The panel PCs' enclosures are made of non-corrosive stainless steel with increased resistance to vibration, shock, and environmental factors such as dust, water as well as acidic and alkaline liquids. As

standard, the systems fully comply with the requirements of IP66 or IP65 ratings. This protection can be maximized up to IP69K as an option, allowing the panel PCs to withstand even high-pressure cleaning with steam jets.

The ORCA MAX Core™ i5 series offers a reliable and powerful solution for industrial applications that require ultra-sturdy and rugged hardware. The large LCD monitors allow multimedia applications to be displayed fluidly on a large scale. This particularly benefits food processing industries as well as laboratories and industrial areas with strict hygiene guidelines.

ORCA MAX Core™ i5 series

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	32-inch	43-inch	55-inch	65-inch
SYSTEM				
Processor	Intel® Core™ Tigerlake 11th Gen. i5-1145G7E up to 2.3GHz			
Chipset	System-on-a-Chip (SoC)			
Graphics	Integrated Intel® HD Graphics			
Operating System	Windows 10, Windows 11, Linux			
Ethernet	Intel® i225-LM Ethernet controller Wi-Fi: 802.11 b/g/n/ac (optional)			
Memory	2x 8GB DDR4 3,200MHz SODIMM up to 64GB			
Storage	1x M.2 E-Key SSD (2230) 256GB			
BIOS	AMI UEFI			
Watchdog	Programmable 1 ~ 255 sec.			
DISPLAY				
Display Size	32″ (81.3cm) LCD (LED backlight)	43″ (109.2cm) LCD (LED backlight)	55″ (139.7cm) LCD	65″ (165.1cm) TFT LCD
Resolution	1,920 x 1,080 @60Hz			
Touchscreen	PCAP multitouch or tempered AR glass			
Brightness	450 nits	350 nits	450 nits	350 nits
Contrast	3,000:1 (typ.)	1,500:1 (typ.)	5,000:1 (typ.)	4,000:1 (typ.)
Colors	16,7M colors	16,7M 8-bit colors	1,073.7M 8-bit colors	1,073.7M (10-bit/colors)
Viewing Angle	-89° ~ 89° (H); -89° ~ 89° (V)			
Active Area (mm)	698.4 (H) x 392.85 (V)	940.89 (H) x 529.25 (V)	1,209.6 (H) x 680.4 (V)	1,428.48 (H) x 803.52 (V)
Pixel Pitch (mm)	0.3638 (H) x 0.3638 (V)	0.49 (H) x 0.49 (V)	0.63 (H) x 0.63 (V)	0.744 (H) x 0.744 (V)
I/O				
LAN	1x RJ-45 (Gigabit-Ethernet)			
COM	1x RS-232			
USB	2x USB 2.0			
Video	-	1x HDMI (optional)	-	-
Power	1x AC power input			
MECHANICAL / ENVIRONMENTAL				
Power	110 ~240V AC (IP66 connector), 100W (typ.) during normal oper., 1x 1.8 meters AC power cable without adapter	110 ~240V AC input, 180W (typ.) during normal oper., 1x power cable w/o adapter	110 ~240V AC input, 200W (typ.) during normal oper., 1x power cable w/o adapter	110 ~240V AC (IP66 connector), 250W (typ.) during normal oper., 1x power cable w/o adapter
Enclosure / Mounting	Stainless steel with deactivated coating for anti-corrosion / TV wall mounting			
Cooling	Fanless			
Operating Temperature	0° ~ 50°C	0° ~ 45°C	0° ~ 50°C	0° ~ 50°C
Storage Temperature	-20° ~ 70°C			
Humidity	10 ~ 95%, non-condensing	30 ~ 70%, non-condensing	30 ~ 90%, non-condensing	10 ~ 95%, non-condensing
Dimensions (WxHxD)	822 x 520 x 75 mm	1,036 x 635 x 85 mm	1,313 x 784 x 100 mm	1,560 x 935 x 100 mm
Weight	30kg	-	-	-
IP Rating	Full IP66 / IP69K (optional)	Full IP65	Full IP65	Full IP65

ORCA MAX Core™ i5 series
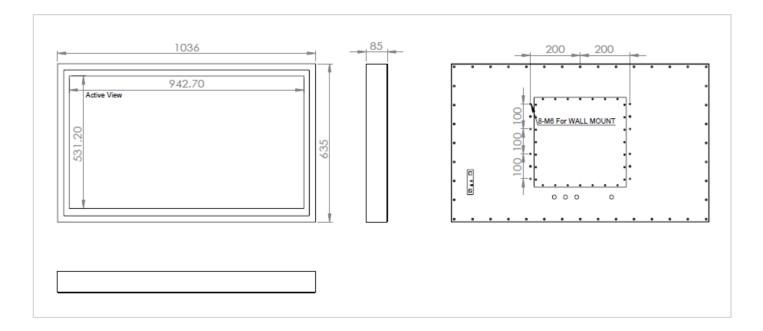
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Drawing & dimensions (32-inch)

Drawing & dimensions (43-inch)

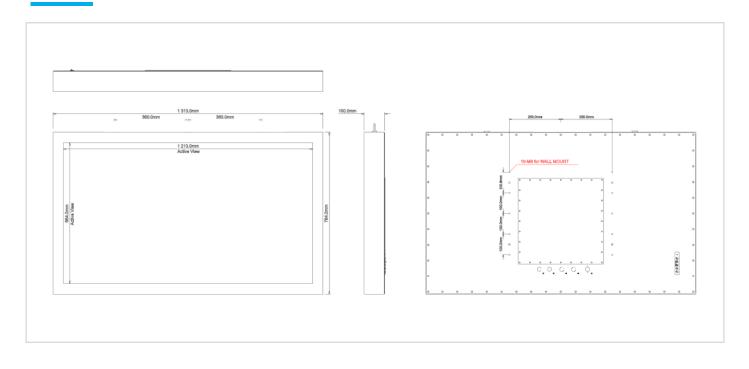# ORCA MAX Core™ i5 series
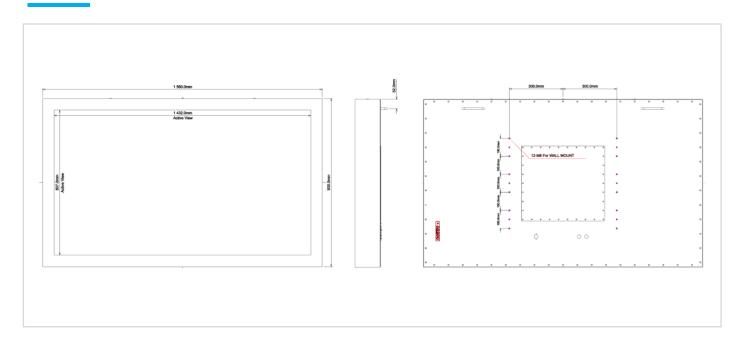
Full IP66/IP69K stainless steel panel PCs with large 32 ~ 65-inch displays

Drawing & dimensions (55-inch)

Drawing & dimensions (65-inch)