

# ORCA MAX J6412 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® Celeron® J6412 (Elkhart Lake) up to 2.6GHz
- › Full IP66 / IP65 (optional up to Full IP69K)
- › 1x 8GB DDR4 SODIMM RAM (up to 32GB)
- › PCAP multi-touchscreen or tempered AR glass
- › 1,920 x 1,080 @ 60Hz full HD resolution
- › Completely fanless, corrosion-free stainless steel chassis



**With large-scale 32-, 43-, 55- or 65-inch displays**

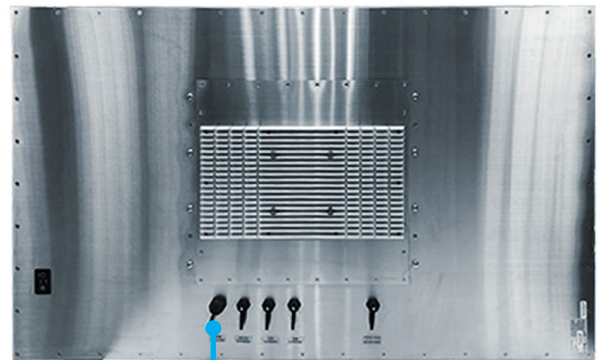


**Intel® Celeron® J6412 (Elkhart Lake) CPU**



**Optional up to Full IP69K rating for high pressure cleaning**

Professional stainless steel HMI terminals for hygienic areas and food processing



M12 connectors

The ORCA MAX J6412 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 Intel® Celeron® J6412 processor for fast and efficient performance. Up to 32GB of DDR4 memory and a storage slot for a 128GB M.2 SSD (up to 1TB) are available to ensure smooth and reliable system performance. An integrated TPM 2.0 module enables Windows 11 installation.

In addition, the ORCA MAX J6412 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 J6412 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.

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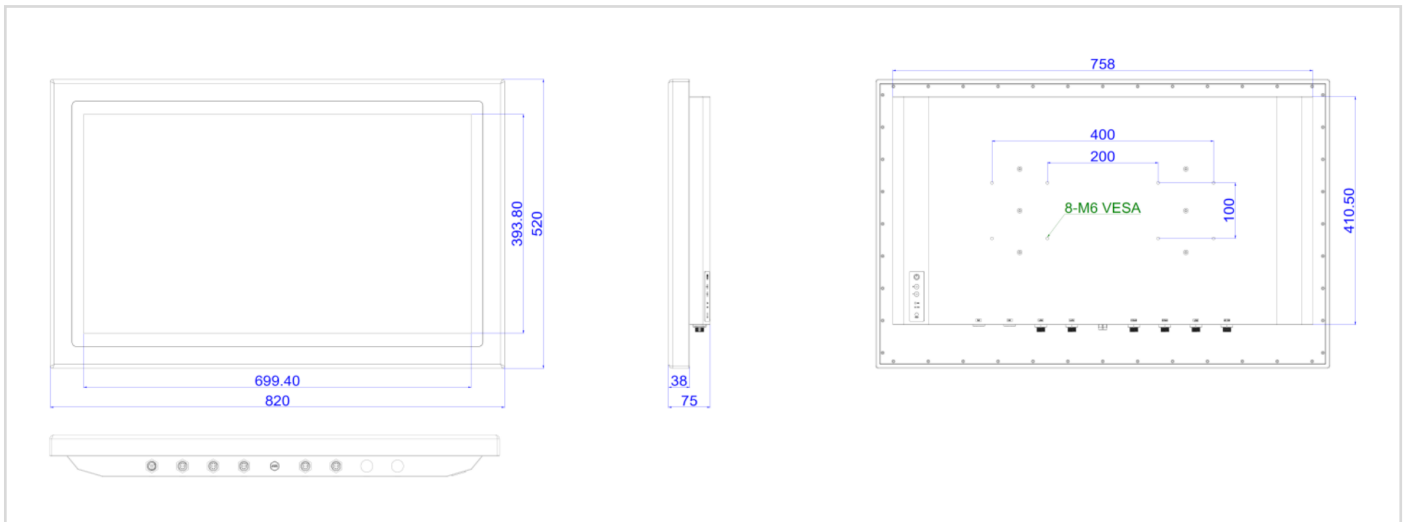
Full IP66/IP69K stainless steel panel PCs with large 32 ~ 65-inch displays

	32-inch	43-inch	55-inch	65-inch
<b>SYSTEM</b>				
Processor	Intel® Celeron® J6412 (Elkhart Lake) up to 2.6GHz			
Chipset	System-on-a-Chip (SoC)			
Graphics	Integrated Intel® HD Graphics			
Operating System	Windows 10, Windows 11, Linux			
Ethernet	Dual Intel® i225-LM Ethernet controller Wi-Fi: 802.11 b/g/n/ac, Bluetooth 4.0 (optional)			
Memory	1x 8GB DDR4 SODIMM up to 32GB			
Storage	1x M.2 SSD 128GB (up to 1TB)			
BIOS	AMI 256MB flash			
Watchdog	Programmable 1 ~ 255 sec.			
<b>DISPLAY</b>				
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)
<b>I/O</b>				
LAN	1x RJ-45 (Gigabit-Ethernet)			
COM	1x RS-232			
USB	2x USB 2.0			
Video	-	1x HDMI (optional)	-	-
Power	1x AC power input			
<b>MECHANICAL /</b>				
Power	110 ~260V AC (IP66 connector), 90W (typ.) during normal oper., 1x 1.8 meters AC power cable without adapter	110 ~240V AC input, 170W (typ.) during normal oper., 1x power cable w/o adapter	110 ~240V AC input, 180W (typ.) during normal oper., 1x power cable w/o adapter	110 ~240V AC (IP66 connector), 230W (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° ~ 55°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
IP Rating	Full IP66 / IP69K (optional)	Full IP65	Full IP65	Full IP65

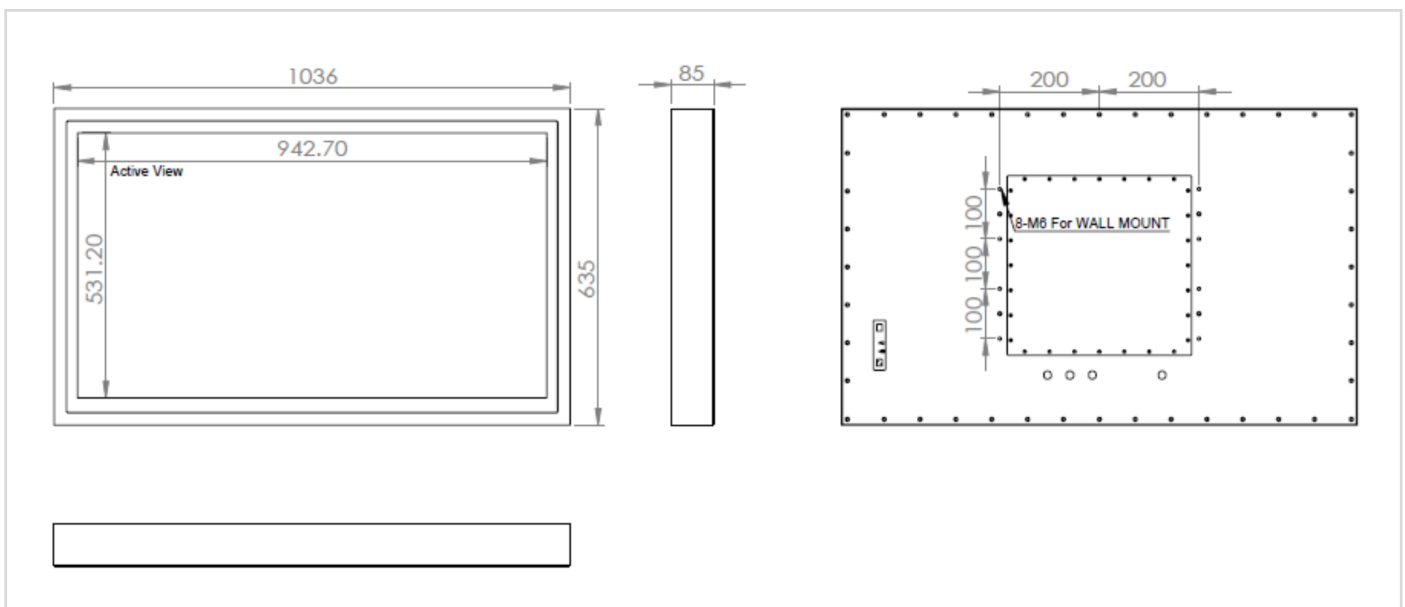
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## Drawing & dimensions (32-inch)



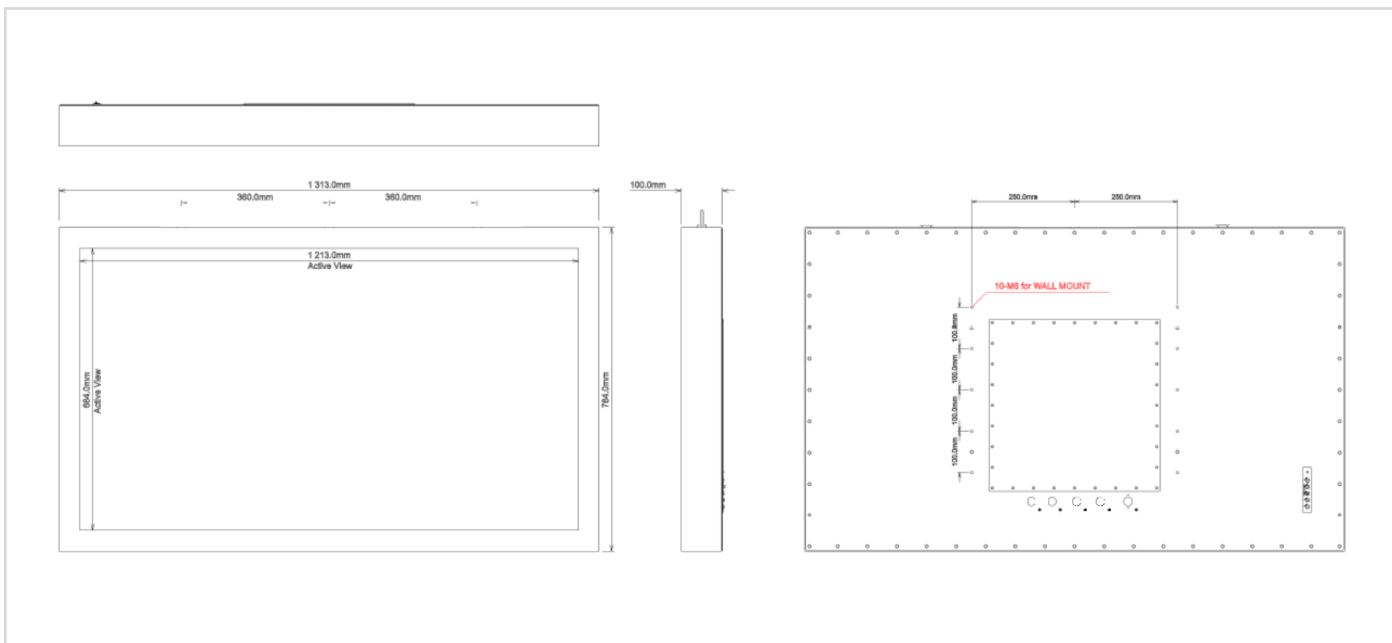
## Drawing & dimensions (43-inch)



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## Drawing & dimensions (55-inch)



## Drawing & dimensions (65-inch)

