

Intel® Elkhart Lake Processor Fanless and All-around IP66 / IP69K Stainless 21.5" Panel PC



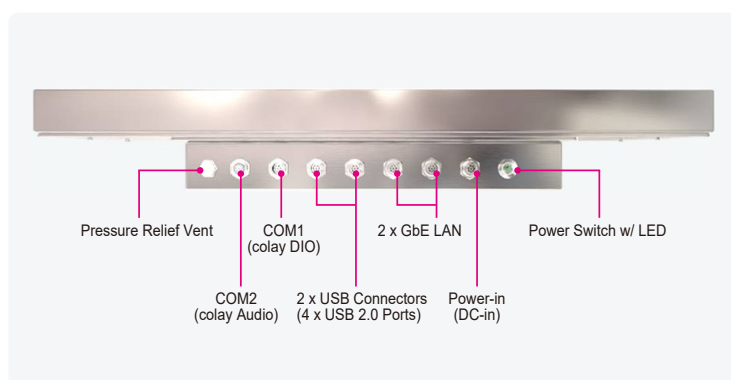
Features

- μ Intel® Celeron® J6412 processor on board
- μ Fanless and quiet design
- μ Stainless steel SUS304
- μ All-around IP66 / IP69K mechanical design
- μ M12 waterproof connectors
- μ Supports 5-wire resistive touchscreen or projected capacitive touchscreen
- μ Easy Maintenance and key parts installation

Specifications

System	
CPU Type	Intel® Celeron® J6412 processor
Chipset	Intel® SoC
Memory Support	1 x DDR4 3200MHz SO-DIMM socket (up to 32GB) (non-ECC)
Enclosure	Stainless SUS304
IP Rating	IP66/IP69K
Power Input	DC In 12V/24V
Watchdog	1~255 second watchdog timer selectable
Operating System	Windows 11, Windows 10 IoT LTSC 64bit, Ubuntu 20.04 (Kernel 5.4)
Dimensions (W x H x D)	590 x 395 x 91 mm (w/o Stand) 590 x 447.5 x 160 mm (with Stand)
System Weight	17 kg
Mounting Support	Wall mount / VESA 100 / Stand
Certifications	FCC / CE
I/O Ports	
Power Input	1 x M12 waterproof connector, supporting 12V/24V DC
USB	2 x USB 2.0 M12 waterproof connectors (4 x USB ports)
Serial Port	2 x COM M12 waterproof connectors with RS-232/422/485
LAN	2 x 1GbE LANs with M12 waterproof connectors supports Wake-On-LAN
Storage	1 x 2.5" SATA III SSD
Expansion Bus	1 x full-sized Mini PCIe slot (Mini PCIe and USB signal)
Display	
LCD	21.5" TFT LCD (LED) resolution 1920 x 1080
Touchscreen	5-wire resistive touchscreen or projected capacitive touchscreen (USB interface)
Environment	
Operating Temp. (Ambient with airflow)	0°C~50°C (32°F~122°F)
Storage Temp.	-20°C~80°C (-4°F~176°F)
Humidity	20%~90%

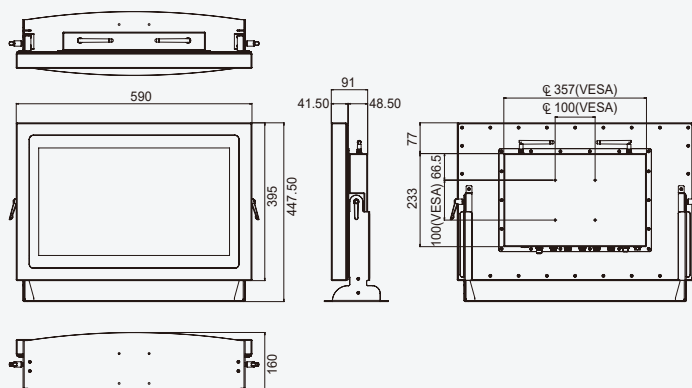
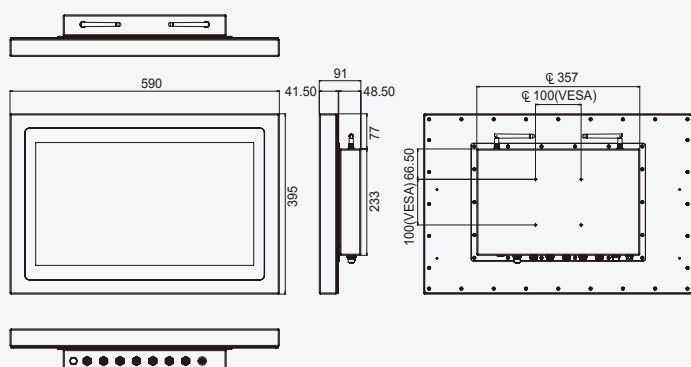
I/O Connector



Application



Dimensions



Unit: mm



- » Intel® Core™ i5 / i3 processor on board
- » Fanless and quiet design
- » Stainless steel SUS304
- » All-around IP66/IP69K mechanical design
- » M12 waterproof connectors
- » Supports 5-wire resistive touchscreen or projected capacitive touchscreen
- » Easy Maintenance and key parts installation

System	
CPU Type	Intel® Core™ i5-1245UE (15W, 2P+8E, 80EU, vPro) Intel® Core™ i3-1215UE (15W, 2P+4E, 64EU)
Chipset	Intel® SoC
Memory Support	1 x DDR5 4800 SO-DIMM sockets (up to 32GB) (non-ECC)
Enclosure	Stainless SUS304
IP Rating	IP66/IP69K
Power Input	DC In 12V/24V
Watchdog	1~255 second watchdog timer selectable
Operating System	Windows 10 IoT LTSC 2021, Windows 11 IoT LTSC
Dimensions (W x H x D)	590 x 395 x 91mm (w/o Stand) 590 x 447.5 x 160mm (with Stand)
System Weight	17 kg
Mounting Support	VESA 100/Stand/Table
Certification	FCC/CE
I/O Ports	
Power Input	1 x M12 waterproof connector, supporting 12V/24V DC
USB	2 x USB 2.0 waterproof connectors (4 x USB ports)
Serial Port	2 x COM waterproof connectors, RS-232/422/485 selectable via BIOS
LAN	2 x 2.5 GbE LANs with M12 waterproof connector; supports Wake-On-LAN
Storage	1 x 2.5" SATA III SSD Either one:
Expansion Slot	1 x M.2 B-key, PCIe and USB 2.0 and SIM signal 1 x M.2 E-key, PCIe and USB 2.0 signal
Display	
LCD	21.5" TFT LCD (LED) resolution 1920 x 1080
Touchscreen	5-wire resistive touchscreen or projected capacitive touchscreen
Environment	
Operating Temp. (Ambient with airflow)	0°C~50°C (32°F~122°F) with W.T. SSD
Storage Temp.	-20°C~80°C (-4°F~176°F)
Humidity	20%~90%

The rear panel of the Colson 10000 features the following ports and components from left to right:

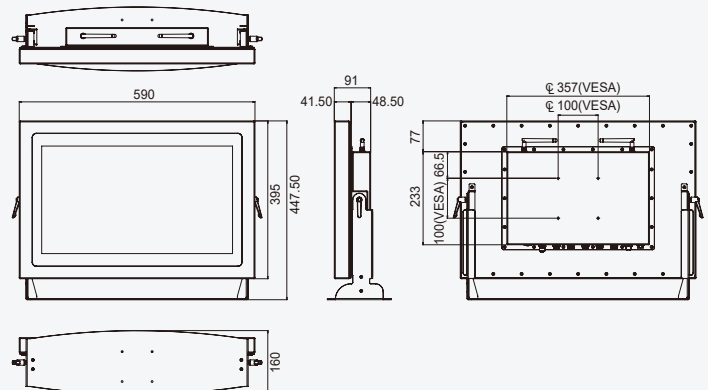
- Pressure Relief Vent
- COM2 (colay Audio)
- COM1 (colay DIO)
- 2 x USB Connectors (4 x USB 2.0 Ports)
- 2 x GbE LAN
- Power-in (DC-in)
- Power Switch w/ LED

Technical drawing of the 100(VESA) 66.50 monitor, showing front, side, and rear views with dimensions.

Front View: The monitor has a width of 590 and a height of 395. The bezel is 41.50 wide and 48.50 high. The screen area is 233 wide and 77 high.

Side View: The monitor has a thickness of 91. The bezel is 41.50 wide and 48.50 high. The screen area is 233 wide and 77 high.

Rear View: The monitor has a width of 590 and a height of 395. The bezel is 41.50 wide and 48.50 high. The screen area is 233 wide and 77 high. The VESA mounting bracket is 100(VESA) 66.50. The mounting holes are 357 in diameter and 100(VESA) 66.50 in spacing.



Unit: mm