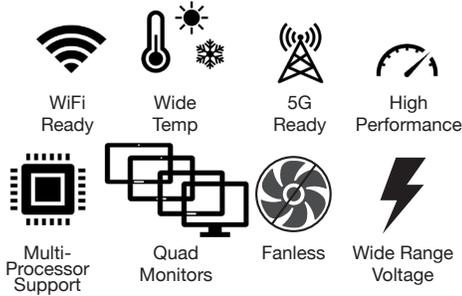


INDUSTRIAL PANEL COMPUTER IPC-710 SERIES



Fanless Panel Computer with Intel® 12th, 13th, & 14th Generation i3 ~ i9 Core Processor via socket 1700, R680E Chipset Supports: 2- DisplayPorts, 2- HDMI, 3- 2.5GbE LAN, 6- USB 3.2 Gen2, 2- RS232/422/485, 1- DIO, Onboard TPM2.0, 1- PCI Express x16 Gen5, 4- 2.5GbE PoE, 5G Cellular, WiFi Ready, Wide Voltage 8~48VDC, 15" ~ 23.8" LCD with Resistive or PCAP Touch Screen



SYSTEM SPECIFICATIONS

Front Bezel	IP66, Aluminum frame
LCD Panel Sizes	15" / 15.6" / 17" / 19" / 21.5" / 23.8"
Brightness per panel	350 nits or 1600 nits / 400 nits / 350 nits or 800 nits / 350 nits or 1600 nits / 400nits / 400nits
Resolution per panel	1024 x 768 / 1920 x 1080 / 1280 x 1024 / 1280 x 1024 / 1920 x 1080 / 1920 x 1080
Touch Screen	Resistive or Projective Capacitive
Processor	Intel® 12th Gen Alder Lake i3-12100T 4.10 GHz Max Intel® 12th Gen Alder Lake i5-12500T 4.40 GHz Max Intel® 12th Gen Alder Lake i7-12700T 4.70 GHz Max Intel® 12th Gen Alder Lake i9-12900T 4.90 GHz Max Intel® 13th Gen Raptor Lake i3-13100T 4.20 GHz Max Intel® 13th Gen Raptor Lake i5-13500T 4.60 GHz Max Intel® 13th Gen Raptor Lake i7-13700T 4.90 GHz Max Intel® 13th Gen Raptor Lake i9-13900T 5.30 GHz Max
Processor Generation	Raptor Lake-S™ Refresh/Alder Lake-S™
Processor Cores	4 • i3-12100T, i3-13100T 6 • i5-12500T 12 • i7-12700T 14 • i5-13500T 16 • i9-12900T, i7-13700T 24 • i9-13900T
Memory	Up to 64GB DDR5 SO-DIMM
Storage	1 • M.2 SSD up to 4TB
Chipset	R680E
Graphics	Intel® UHD Graphics 730 & 770
LAN Controller	3 • Intel® I226-LM 2.5GbE LAN
TPM	Infineon® SLB9672
System I/O	Front 2 • RS232/422/485 ports 1 • Analog / Digital I/O 1 • Power Button 2 • WiFi RP-SMA connectors Rear 6 • USB 3.2 Gen2 ports 3 • 2.5GbE LAN Ports 2 • HDMI port 2 • DisplayPort 1 • 3- Pin Terminal Block Power connector 1 • Mic-in 1 • Line-out 1 • PCIe x16 Gen5

FEATURES

- IP66 rated front bezel with resistive or PCAP touch screen
- LCD Panel Sizes: 15", 15.6", 17", 19", 21.5", 23.8"
- Intel® 12th / 13th / 14th Generation 4- Core & 24- Core processors 4.10GHz~5.30GHz Max
- High performance 262-pin DDR5 4800 SO-DIMM
- max. up to 32GB
- 3• 2.5GbE Ethernet Ports
- 2• RS232/422/485, 1• DIO
- 6• 3.2 USB Gen2 ports
- M.2 SSD up to 4TB (RAID 5 Support)
- 1• M.2 M Key, 1• M.2 B Key, 1• M.2 E Key
- 2• HDMI port, 2• DisplayPort
- Onboard TPM2.0 (Infineon SLB9672)
- Wide range voltage 8~48VDC
- Highly reliable thermal transfer fanless technology



BIOS	AMI UEFI
Watchdog Timer	256 levels, 1~255 sec.
Expansion Interface	1 • M.2 B Key 1 • M.2 E Key 1 • M.2 M Key 1 • PCIe x16 Gen5
System Indicator	1 • blue LED for system power-on (shared) 1 • red LED for SSD active (shared)

MECHANICAL SPECIFICATIONS

Color	Silver-Blue
Construction	Aluminum extrusion and heavy gauge chassis
Dimensions (W x H x D)	
IPC-710 15"	358.5mm x 281.5mm x 61.5mm (14.11" x 11.08" x 2.42")
IPC-710 15.6"	387.4mm x 242.4mm x 56.5mm (15.25" x 9.54" x 2.22")
IPC-710 17"	392.5mm x 325mm x 60.5mm (15.45" x 12.79" x 2.38")
IPC-710 19"	439.5mm x 364.3mm x 60.5mm (17.30" x 14.34" x 2.38")
IPC-710 21.5"	537.6mm x 329mm x 54.5mm (21.16" x 12.95" x 2.14")
IPC-710 23.8"	596mm x 366mm x 80mm (23.46" x 14.40" x 3.24")
Mounting	VESA mount / Wall mount / Panel mount

POWER SUPPLY

Power Input	8 ~ 48VDC with protection fuse
Power Adapter	110 ~ 240 AC to 24VDC out 240W *Based on config

REGULATORY SPECIFICATIONS

Operating Temperature	-10°C ~ 60°C (14°F ~ 140°F)
EMI/EMC	CE standards applied (EN 55022 / EN 55024 / EN 55032 / EN 60950-1) FCC 47 CFR Part 15 Subpart B RoHS
Vibration	5~500Hz 1G PTP
Shock	operating: 30G (11ms), non-operating: 40G (11ms)

INDUSTRIAL PANEL COMPUTER IPC-710 SERIES



ORDERING INFORMATION

Base	IPC-710 Industrial Panel Computer - Fanless, Supports 12th/13th/14th Generation Processors, Intel R680E Chipset, 1- Power button (Front), 6- USB 3.2 Ports Gen2, 3- Intel I226-LM 2.5GbE LAN Ports, 2- DP Ports, 2- HDMI, 1- Audio Jack: (Line-Out) (Mic-In), 1- PCIe x16 Gen5, 1- M.2 M Key, 1-M.2 E Key, 1- M.2 B Key, TPM2.0, 3-Pin Terminal Block Connector with Mate, (Does not include AC Wall Adapter)
------	---

CONFIGURABLE & ACCESSORIES

Processor	Intel® i3-12100T 4.10GHz Max, Intel® i5-12500T 4.40GHz Max, Intel® i7-12700T 4.70GHz Max, Intel® i9-12900T 4.90GHz Max Intel® i3-13100T 4.20GHz Max, Intel® i5-13500T 4.60GHz Max, Intel® i7-13700T 4.90GHz Max, Intel® i9-13900T 5.30GHz Max
LCD	15" / 15.6" / 17" / 19" / 21.5" / 23.8"
Touch Screen	Projective Capacitive or Resistive
Power Connector	3-Pin Terminal Block Connector with Mate, Locking Barrel Connector
RS232/422/485	2• RS232/422/485
M.2 M Key	SSD 250GB, 500GB, 1TB, 2TB, 4TB SSD,
Analog / Digital IO	Analog & Digital I/O Module (requires M.2 B Key SSD),
CAN FD	2- DB9 Isolated CAN FD ISO 11898-2:2016 compliant (requires M.2 B Key SSD)
M.2 B Key	256GB, 1TB, 2TB SSD

CONFIGURABLE & ACCESSORIES

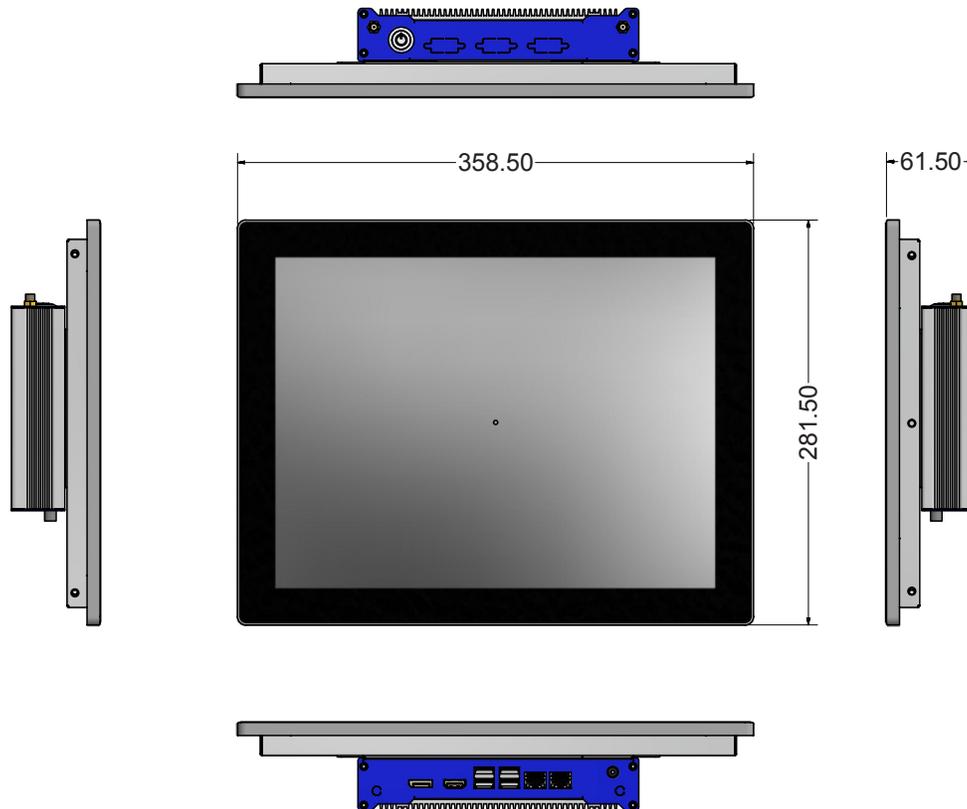
4- Port 2.5GbE PoE Module (Verizon®) 5G Embedded Quectel RM520N-GL, Includes: 4- 5G Antennas (AT&T®, T-Mobile®) 5G Embedded Quectel® RM520N-GL, Includes: 4- 5G Antennas	
PCI Express x16 (Gen5)	
DDR5 SO-DIMM	8GB, 16GB, 32GB, 64GB
WiFi module	Intel® 9260 802.11ac/a/b/g/n Wi-Fi / Bluetooth 5.1 M.2 Module Intel® AX210 Wi-Fi / 802.11ax/ac Wi-Fi / Bluetooth 5.2 M.2 Module
Panel mount kit	9601340301
VESA mount kit	VESA2-KIT
Wall mount kit	6680440721
AC wall adapter	3791030251 - AC Wall Adapter with Locking Barrel Connector 3791070251 - AC Wall Adapter 3-Pin Terminal Mating Connector
Operating System	Windows® 10 IoT Enterprise 2021 LTSC Value (i3/i5), Windows® 10 Professional 64bit, Windows® 11 IoT Enterprise 2024 Value High End (i3/i5), Windows® 11 Professional 64bit, Ubuntu® Desktop 22.04 LTS 64bit

WARRANTY

Standard Warranty	2 Year Warranty
Extended Warranty	TotalCare Protection 3 or 5 Year Extended
Expected Life Cycle	7 Years

DIMENSIONS

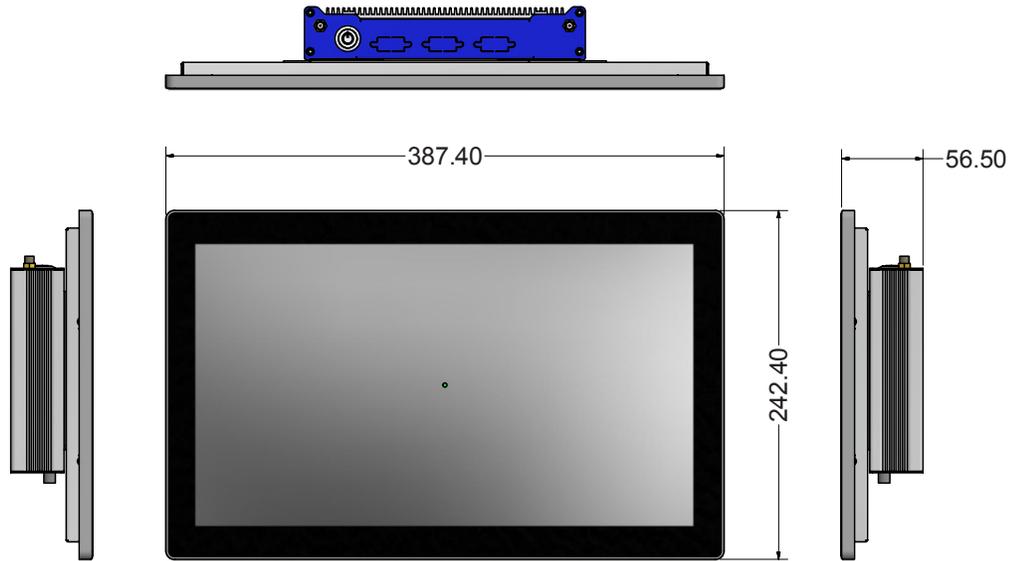
IPC-710 15"



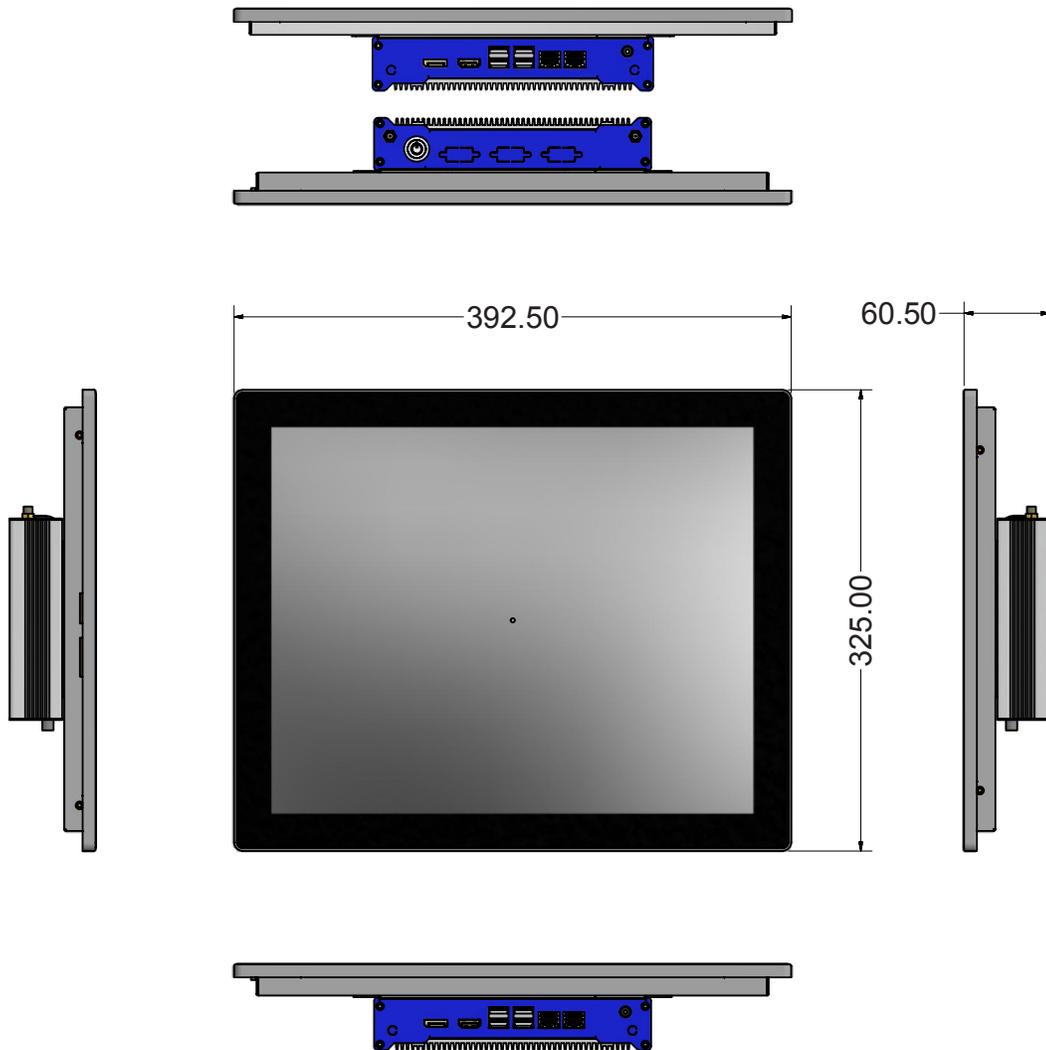
Measurements shown in mm. All dimensions are ± 0.5mm

DIMENSIONS

IPC-710 15.6"



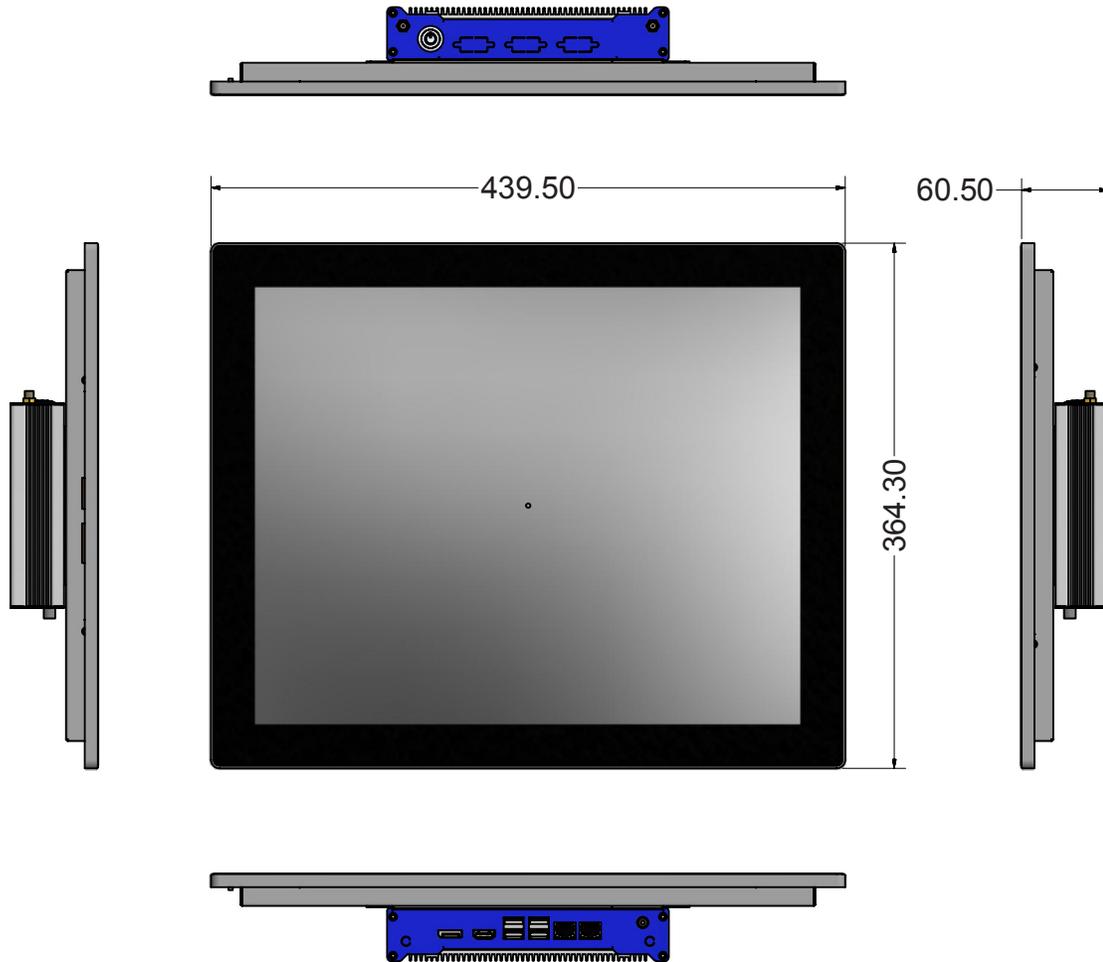
IPC-710 17"



Measurements shown in mm. All dimensions are $\pm 0.5\text{mm}$

DIMENSIONS

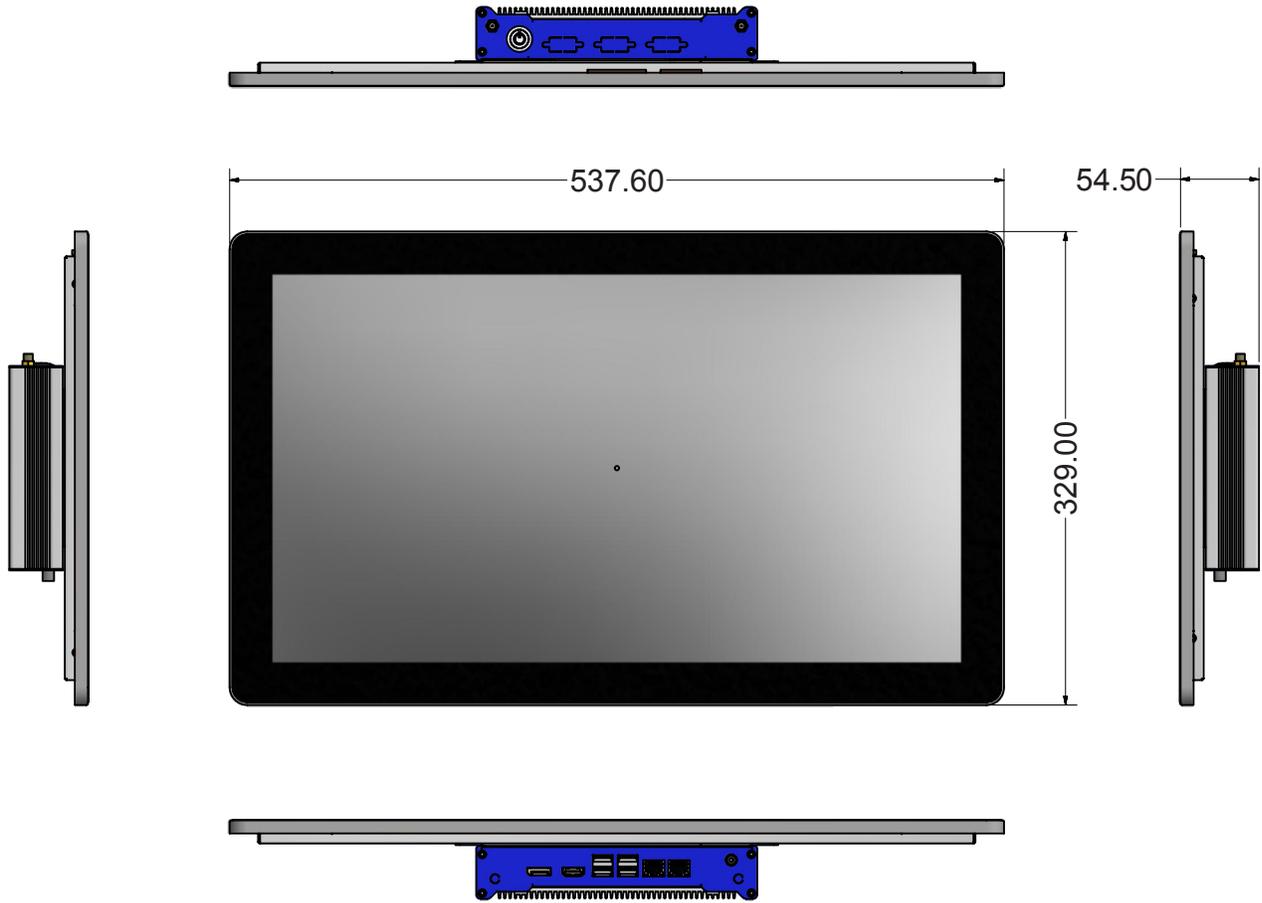
IPC-710 19"



Measurements shown in mm. All dimensions are ± 0.5 mm

DIMENSIONS

IPC-710 21.5"



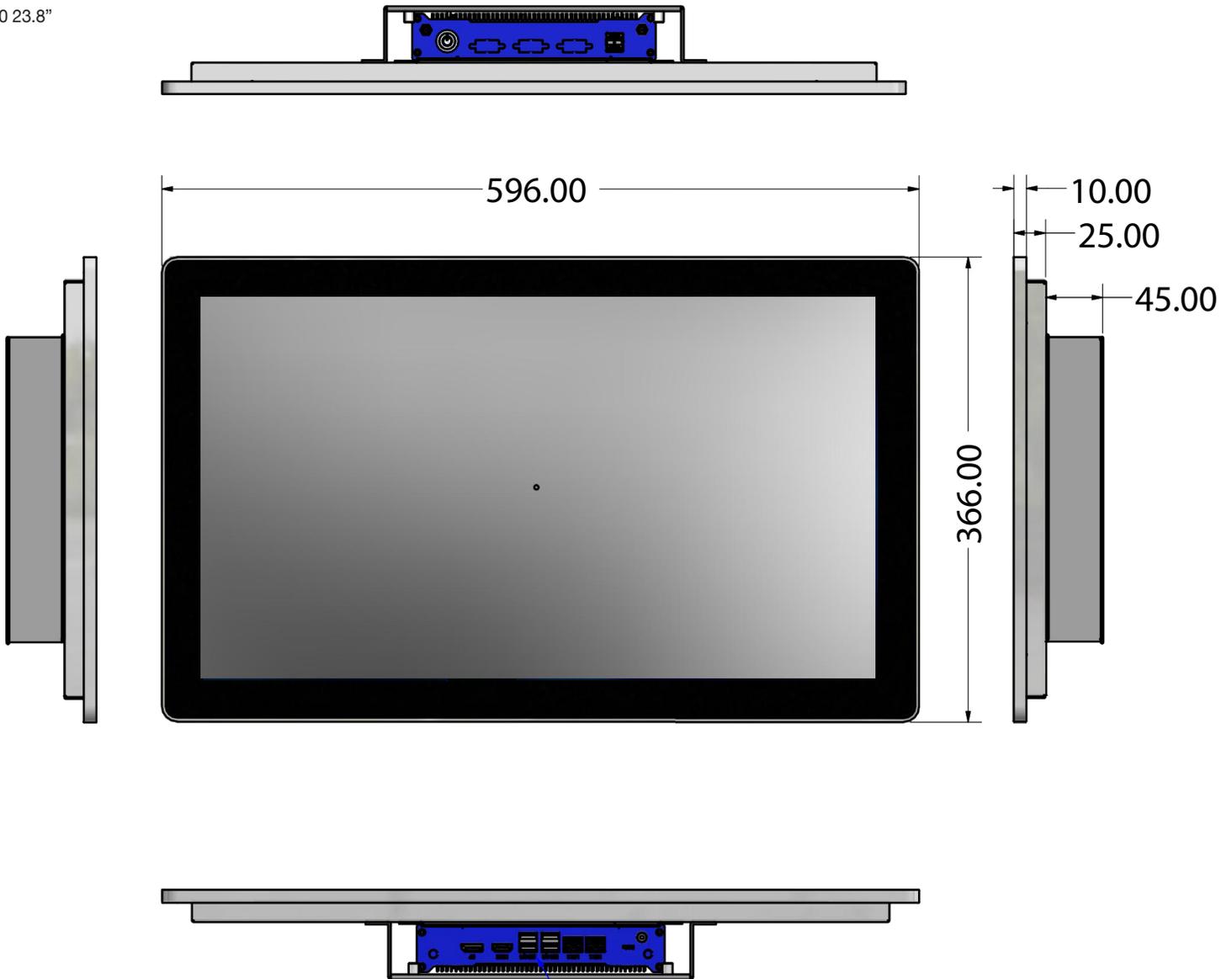
Measurements shown in mm. All dimensions are $\pm 0.5\text{mm}$

INDUSTRIAL PANEL COMPUTER IPC-710 SERIES



DIMENSIONS

IPC-710 23.8"



Measurements shown in mm. All dimensions are $\pm 0.5\text{mm}$