

Automobiles



Pharma

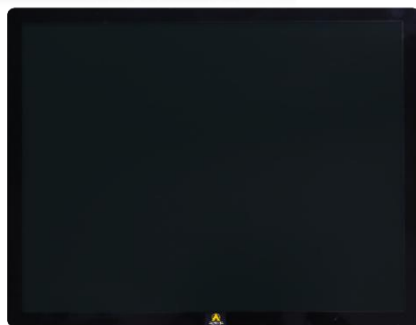


Oil & Gas



Features

- 19" TFT LED Display with 1280 × 1024 resolution, 350 cd/m² brightness, and 1000:1 contrast ratio.
- PCAP Touch Screen supporting 10-point multitouch with anti-glare coating.
- Intel® Core™ i7-12700 Processor (25M Cache, up to 4.90 GHz, 12 cores) with Intel® H610/H610E chipset.
- Memory: Two 260-pin DDR4 SDRAM slots, dual-channel, up to 64GB at 3200MHz.
- Graphics: Integrated Intel® UHD Graphics engine.
- Networking: Dual Intel® I226V 2.5GbE LAN controllers.



Specifications

System

CPU	Intel® Core™ i7-12700 Processor 25M Cache, up to 4.90 GHz., 12 Core
Chipset	Intel® H610/H610E
Memory	Two 260-pin 3200 MHz Dual-Channel DDR4 SDRAM Unbuffered DIMMs supported up to 64GB
Ethernet	LAN1: Intel® I226V 2.5GbE controller LAN2: Intel® I226V 2.5GbE controller
Storage	(1) SSD 1TB M.2 M 2280 NVME (2) 2 x Accessible Bay for 2.5" SATA 6Gb/s HDD/SSD with LED
Graphics Engine	Intel® UHD Graphics
DVD R/W	DVD +/- RW Drive External
Mouse	USB Optical Mouse
Thermal Solution	Smart Fan
Watchdog Timer	Software Programmable support 1 to 255 sec. system reset

OS Support

Operating System	Windows 10/11 PRO & Windows 10 Ent IoT LTSC
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LCD

Display Type	19" TFT LED Panel
Max. Resolution	1280 x 1024
Color	16.7M
Viewing Angle (H/V)°	170°/160°s
Brightness (cd/m2)	350
Backlight MTBF (Hrs)	50,000
Contrast Ratio	1000:1

Touchscreen

Touchscreen Type	PCAP touch with 10-point multitouch, anti-glare coating
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Power Consumption

Power Supply	AC input ATX power supply 1. 250W power supply <ul style="list-style-type: none"> Input: 115Vac @ 6A, 230Vac @ 3A, 90-264Vac Output (max.): 3.3V@14A, 5V@16A, 12V@41A, -12V@0.5A, +5Vsb@3.0A
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I/O Interface

I/O Ports and Switches	1 x DP output 1 x HDMI output 2 x 2.5GbE LAN AT/ATX mode switch Reset button 2 x USB 3.2 Gen2 (Type-A) (10Gb/s) 2 x USB 3.2 Gen1 (Type-A) (5Gb/s) 4 x RS-232 (2x5 pin, P=2.0) 2 x USB 2.0 (Type-A) 2 x SATA 6Gb/s Power button with power LED 2 x RS-232/422/485 (RS-485 support AFC)
Expansion Slots	1 x PCIe Gen4 x16 with x16 Signal 1 x M.2 M key 2242/2280 (PCIe Gen3 x4) 1 x M.2 A Key 2230 (PCIe Gen3 x1 & USB 2.0)

Physical Characteristics

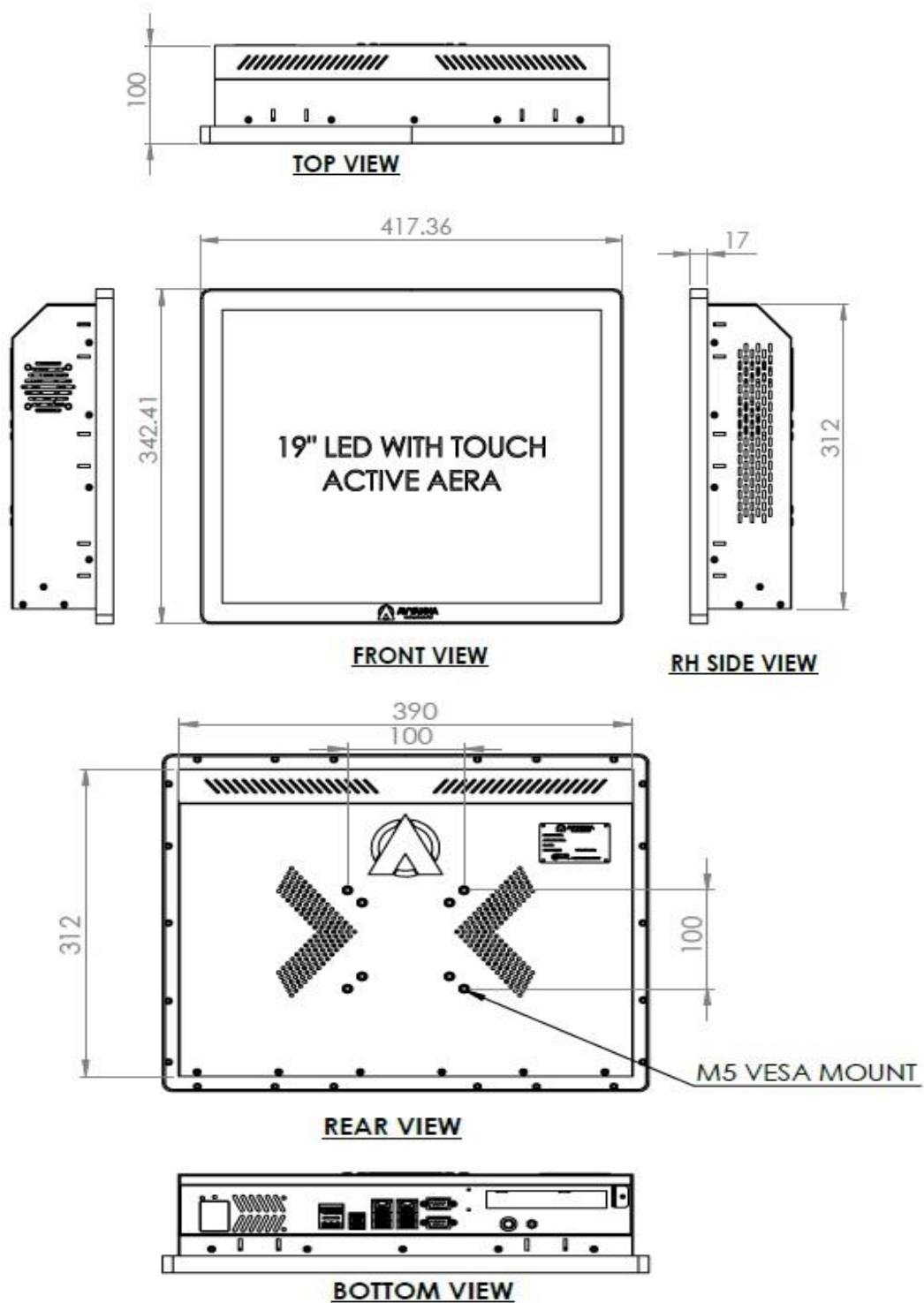
Dimensions (L x D x H) (mm)	417.36 x 342.41 x 100 mm
Cut-out dimensions (L x D x H)	384 x 295
Color	Front Bezel: Cyan-blue (PSM 296C), Others: Black C
Mounting	Rack/Panel Mount
Chassis Construction	Metal Housing

Environment

Operating Temperature	0°C to 60°C (with SSD and up to TDP 65W processor)
Storage Temperature	-30°C to 70°C
Operating Humidity	5% to 95%, non-condensing
IP Rating	IP65-rated front panel
Shock	10G acceleration part to part (11ms)
Vibration	5~17Hz, 0.1 double amplitude displacement 17~640Hz 1.5G acceleration peak to peak
Safety and EMC	CE

Dimensions & Drawing

Unit: mm



Order Information

Part No.	Description
APC-190-H610-i5/PC-R1	19" 350cd/m ² 1280 x 1024 modular Panel PC, Intel® Core™ i5-12400 Processor (6-core,12-thread,2.5 GHz, Max Turbo 4.40 GHz) TDP 65W,RAM 8GB DDR4 3200MHz, R1
APC-190-H610-i7/PC-R1	19" 350cd/m ² 1280 x 1024 modular Panel PC, Intel® Core™ i7-12700 Processor (12-core,20-thread,2.1 GHz, Max Turbo 4.9 GHz) TDP 65W, RAM 8GB DDR4 3200MHz, R1

