



(Reference Image)



19" Panel PC

Product Datasheet

MPN: - APC-190-H610

INTRODUCTION

APC-190-H610 is 19" Panel PC with high-performance industrial solution powered by 12th/13th/14th Gen Intel® Core™ i9/i7/i5/i3 and Pentium® processors. It offers advanced expansion options through multiple PCIe 3.0 slots. Additionally, it supports ultra-fast data access with M.2 2280 PCIe Gen 3.0 x4 NVMe™ SSD compatibility.

SPECIFICATIONS

| Model | APC-190-H610 | |
|---------------------------------|---|---|
| LCD Display | Display Type | 19" TFT LED Panel |
| | Max. Resolution | 1280x1024 |
| | Brightness (cd/m ²) | 350 |
| | Contrast Ratio | 1000:1 |
| | LED Color | 16.7M |
| | Viewing Angle (H/V) | 170°/160°s |
| | Backlight MTBF (Hrs) | 50,000 |
| Touch Screen | PCAP touch with 10-point multitouch, anti-glare coating | |
| 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 | |
| Graphics Engine | Intel® UHD Graphics | |
| 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 | |
| DVD R/W | DVD+/- RW Drive External | |
| Mouse | USB OPTICAL MOUSE | |
| sssss I/O Ports and Switches | 1 x DP output 1 x HDMI output 2 x USB 3.2 Gen2 (Type-A) (10Gb/s) 2 x USB 3.2 Gen1 (Type-A) (5Gb/s) 2 x USB 2.0 (Type-A) Power button with power LED 2 x RS-232/422/485 (RS-485 support AFC) | 2 x 2.5GbE LAN AT/ATX mode switch Reset button 4 x RS-232 (2x5 pin, P=2.0) 2 x SATA 6Gb/s |
| 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) | |
| Operating System | Windows 10/11 PRO & Windows 10 Ent IoT LTSC | |
| Thermal Solution | Smart Fan | |

| | | |
|----------------|---------------------------------|--|
| Power Supply | | AC input ATX power supply 1. 250W power supply - Input: 115Vac @ 6A, 230Vac @ 3A, 90-264Vac - Output (max.): 3.3V@14A, 5V@16A, 12V@41A, -12V@0.5A, +5Vsb@3.0A |
| Watchdog Timer | | Software Programmable support 1~255 sec. system reset |
| Construction | IP Rating | IP65-rated front panel |
| | Chassis Construction | Metal Housing |
| | Mounting | Rack/Panel Mount |
| | Color | Front Bezel : Cyan-blue (PSM 296C), Others: Black C |
| | Cut-out dimensions (LxDxH) (mm) | 384 x 295 |
| | Dimensions (LxDxH) (mm) | 417.36 x 342.41 x 100s |
| Environmental | Operating Temperature | 0°C ~ 60°C (with SSD and up to TDP 65W processor) |
| | Storage Temperature | -30°C ~ 70°C |
| | Operating Humidity | 5% ~95%, non-condensing |
| | Vibration | 5~17Hz, 0.1 double amplitude displacement 17~640Hz 1.5G acceleration peak to peak |
| | Shock | 10G acceleration part to part (11ms) |
| | Safety and EMC | CE |

ORDERING INFORMATION

| MPN | 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 |

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