P19B

19" Square-screen Industrial Panel PC

P19 is a 19" square-screen industrial panel PC. The front panel supports IP65 protection grade, and the interior adopts fanless modular design to support various CPU modules. According to different application scenarios, I/O ports and touch screen types can be flexibly changed to meet the diversified production and application needs of customers.

P19 series products are mainly used in rail transit, machine vision, industrial automation and other fields, such as shield tunnel boring machines, automatic production line MES, integrated monitoring (rail transit, building, power, etc.), CNC machine tools, monocrystalline furnace, auto parts control and other application scenarios.

● Product Features

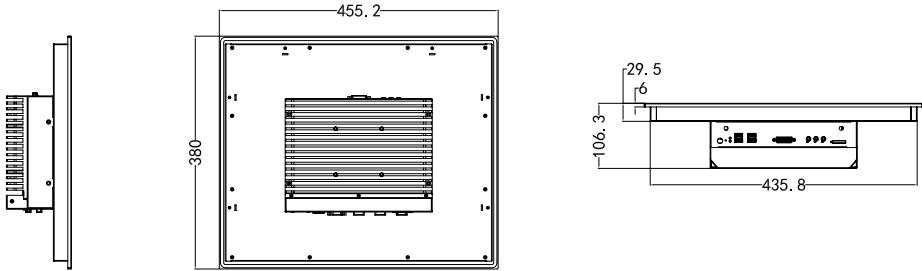| Resistive/ capacitive touch screen optional	Multiple installation methods	Supports quick customization of I/O port	Fully sealed and fanless	Sturdy and durable, with stylish appearance	Protection grade: IP65

● Product Dimensions Drawing

455. 2
380
29. 5
6
106. 3
435. 8

(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

● Product Specifications

Item		Description		
Display Performance	Screen Size	19" TFT LCD 5:4 square screen	Brightness	≥250cd/m2 (bare screen)
	Maximum Resolution	1280×1024	Contrast Ratio	1000：1
Touch Screen		Capacitive screen, full plane, 10-point touch control;Resistive screen, 5-wire resistive screen, single touch		
System Configuration	Processor	**Intel Celeron:** onboard J1900/J6412/X6425E and other processors;**SkyLake-U:** Onboard Intel® I3-6100U/I5-6300U/I7-6600U processor;**H110/C236:** supports 6/7/8th Gen Intel® Core™ I3/I5/I7 series, 9th Gen Intel® Core™ I3/I5 series, LGA1151, CPU TDP ≤ 65W;**H310/Q370:** supports 8/9th Gen Intel® Core™ I3/I5/I7 series, Celeron, Pentium series processors, LGA1151, CPU TDP ≤ 65W;**H610E/Q670E:** supports 12/13th Gen Core™ i9/i7/i5/i3/ Pentium® Gold/ Celeron® G series processor LGA1700 pin, and processors with a power consumption lower than 65W		
	Memory	**BayTrail:** supports 1x 204Pin DDR3L SO-DIMM slot, up to 8GB;**SkyLake-U:** supports 1x 260Pin DDR4 SO-DIMM memory slot, onboard 4GB, with the slot supporting up to 16GB and the complete PC up to 20GB;**H110/C236/H310/Q370:** supports 2x 260Pin DDR4 SO-DIMM memory slots, with 1 slot supporting up to 32GB and the complete PC up to 64GB;**H610E/Q670E:** supports two DDR5 4800MHz SO-DIMM memory slots, with 1 slot supporting up to 32G and the complete PC up to 64GB		
I/O Port	LAN Port	H110/C236/H310/Q370: 2/4/6 RJ45 10/100/1000Mbps LAN port (optional) H610E/Q670E: Standard configuration of 1x RJ45 gigabit electrical port and 1x 2.5G electrical port; H610E can be equipped with two more 2.5G electrical ports, and Q670E can be equipped with four more 2.5G LAN ports		
	Display Port	BayTrail/SkyLake-U: supports VGA and HDMI display ports H110/C236/H310/Q370: supports VGA, HDMI and DVI display ports H610E/Q670E: supports 2x HDMI 2.0, 1x DP1.4, and simultaneous three display		
	USB	**BayTrail:** supports up to 1x USB3.0 + 5x USB2.0;**SkyLake-U:** 2x USB3.0 + 2 x USB2.0 port;**H110:** 4x USB3.0+4 xUSB2.0 port;**C236:** 8x USB3.0;**H310/Q370:** 4x USB3.0+4 x USB2.0 port;**H610E:** 2x USB3.2 Gen2, 1x USB3.2 Gen1 port and 5x USB2.0 port;**Q670E:** 4x USB3.2 Gen2, and 4x USB3.2 Gen1 port		
	COM	2~6 x serial port (depending on the specific platform and configuration)		
	Audio	BayTrail/SkyLake-U: 1 group of Audio ports (supporting MIC-IN and LINE-OUT) H110/C236/H310/Q370: 1 group of Audio ports (supporting MIC-IN, LINE-OUT and LINE-IN) H610E/Q670E: 1 group of Audio ports (supporting MIC-IN and LINE-OUT)		
	Bus Expansion Slot	Expansion slots depend on the specific configuration		
Storage	Hard Disk	BayTrail/SkyLake-U: 1x SATA interface H110/C236/H310/Q370/H610E/Q670E: 2x SATA interface;		
	M-SATA/M.2	BayTrail/SkyLake-U: 1x M-SATA slot;H110/C236: 1x M-SATA slot, 1x M.2 keyM slot;H310: 1x M.2 keyB slot; Q370/H610E/Q670E: 1x M.2 keyM slot;		
Working Environment		CPU TDP < 35W, Working Temperature: 0℃~45℃ with HDD; Working Temperature: 0℃~50℃ with SSD; 35W≤CPU TDP≤65W, Working Temperature: 0℃~40℃ with HDD; Working Temperature: 0℃~50℃ with SSD;		
Storage Environment		-20℃~+60℃; Humidity: 5%~95% (non-condensing state)		
Product Dimensions		455mm (W) x 380mm (H) (depth dimension depends on the specific configuration)		
Mounting Hole Dimensions		439mm (W) x358mm(H)		
IP Grade		The aluminum alloy front panel meets the protection grade of IP65		
Installation Method		Supports embedded, VESA standard mount, etc.		
Power Supply		BayTrail: 1x 2Pin Phoenix terminal type power port, and 1x 2Pin Phoenix terminal type remote switch port. The input voltage depends on the specific configuration		
		SkyLake-U/H110/C236/H310/Q370/H610E/Q670E: 1x 4Pin Phoenix terminal type power port, input voltage as per specific configuration		

● Ordering Information

料号	型号	描述
0010-199091	P19BR-31	19" Panel PC/BayTrail/Celeron J1900 2.0Ghz 4C processor/4GB memory/128G SSD/serial port*6/USB port*8/gigabit LAN port*2/VGA*1/HDMI*1/PS/2*1/Line-out*1/MIC*1/Line-in*1/8-channel GPIO*1/12V DC power supply/60W power adapter*1/resistive touch screen
0010-199101	P19BC-51	19" Panel PC/Skylake-U/I5-6300U 2.3Ghz 2C processor/4GB memory/128G SSD/serial port*4/USB port*4/gigabit LAN port*2/VGA*1/HDMI*1/PS/2*1/Line-out*1/MIC*1/8-channel GPIO*1/19V DC power supply/90W power adapter/capacitive touch screen
0010-199111	P19BR-51	19" Panel PC/Skylake-U/I5-6300U 2.3Ghz 2C processor/4GB memory/128G SSD/serial port*4/USB port*4/gigabit LAN port*2/VGA*1/HDMI*1/PS/2*1/Line-out*1/MIC*1/8-channel GPIO*1/19V DC power supply/90W power adapter/capacitive touch screen
0010-199121	P19BC-61	19" Panel PC/H110 chipset/I5-7500T 2.7Ghz 4C processor/8GB memory/128G SSD/serial port*6/USB2.0*4+USB3.0*4/gigabit LAN port*2/VGA port*1/HDMI*1/DVI*1/8-bit GPIO*1/Line-out*1/MIC*1/Line-in*1/19V DC power supply/150W power adapter*1/resistive touch screen
0010-199131	P19BR-61	19" Panel PC/H110 chipset/I5-7500T 2.7Ghz 4C processor/8GB memory/128G SSD/serial port*6/USB2.0*4+USB3.0*4/gigabit LAN port*2/VGA port*1/HDMI*1/DVI*1/8-bit GPIO*1/Line-out*1/MIC*1/Line-in*1/19V DC power supply/150W power adapter*1/capacitive touch screen
0020-068041	P19BR-60	19" Panel PC barebone system/Intel® H110 chipset/no CPU/no memory/no hard disk/serial port*6/USB2.0*4+USB3.0*4/gigabit LAN port*2/VGA port*1/HDMI*1/DVI*1/8-bit GPIO*1/Line-out*1/MIC*1/Line-in*1/19V DC power supply/no adapter/aluminum alloy front panel/resistive touch screen
0020-068031	P19BC-60	19" Panel PC barebone system/Intel® H110 chipset/no CPU/no memory/no hard disk/serial port*6/USB2.0*4+USB3.0*4/gigabit LAN port*2/VGA port*1/HDMI*1/DVI*1/8-bit GPIO*1/Line-out*1/MIC*1/Line-in*1/19V DC power supply/no adapter/aluminum alloy front panel/capacitive touch screen

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.