

W18A

19" Wide-screen Industrial Panel PC

W18 series is a 19" wide-screen industrial Panel PC with multi-touch. It effectively integrates high reliability and industrial aesthetics, interpreting the exquisite texture and technological fashion elements of industrial computers in industrial design, leading the intelligent upgrading of the industry. It supports a variety of platforms, such as Intel H110/H310/Q370/C236, IntelSkylake-U SOC and Intel Bay Trail, and supports operating systems such as Windows 7 (64bit), Windows10 and LINUX (2.6 kernel).

This series is oriented to high-end MES, integrated monitoring, automation and other fields. It is mainly used for production line MES, integrated monitoring (rail transit, building, power, etc.), medical informatization, monocrystalline furnace, wind power and other harsh industrial field control applications.



Product Features



Fully sealed and fanless



Industrial-grade touch screen



Protection Grade: IP65



Multiple installation methods

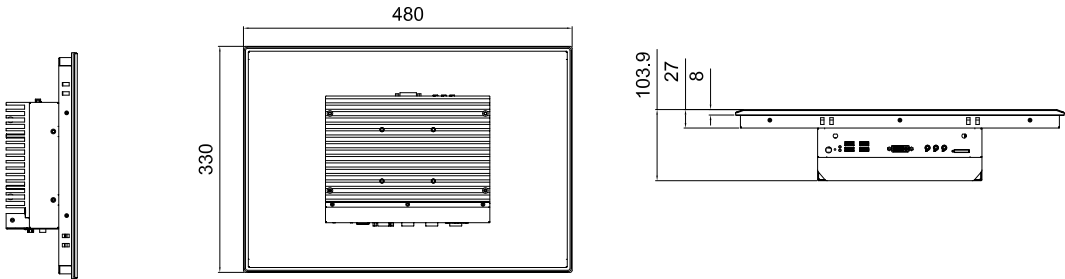


Supports quick customization of I/O port



Supports multiple platforms

Product Dimensions Drawing



(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 16:10 wide-screen
	Maximum Resolution	1440x900
	Brightness	≥250cd/m2 (bare screen)
	Contrast Ratio	1000:1
Touch Screen		Capacitive screen, full plane, 10-point touch control
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 ports (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°C~45°C with HDD; Working Temperature: 0°C~50°C with SSD; 35W≤CPU TDP≤65W, Working Temperature: 0°C~40°C with HDD; Working Temperature: 0°C~50°C with SSD;
Storage Environment		-20°C~+60°C; Humidity: 5%~95% (non-condensing state)
Product Dimensions		480mm (W) x 330mm (H) (depth dimension depends on the specific configuration)
Mounting Hole Dimensions		469mm (W) x319mm(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

Part No.	Model	Description
0010-154821	W18A-01	19" panel PC/Intel®BayTrail chipset/Celeron J1900 2.0Ghz quad-core 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*1/9~30V DC power supply/power adapter/aluminum alloy front panel/capacitive touch screen
0010-154831	W18A-31	19" panel PC/Intel®Skylake SOC chipset/I3-6100U 2.3Ghz dual-core processor/4GB memory/128G SSD/serial port*2/USB port*6/gigabit LAN port*4/VGA*1/HDMI*1/PS/2*1/Line-out*1/Mic-in*1/9~30V DC power supply/power adapter/aluminum alloy front panel/capacitive touch screen
0010-154841	W18A-51	19" panel PC/Intel®H110 chipset/I3-6100TE 2.7Ghz dual-core processor/4GB memory/128G SSD/serial port*6/USB port*8/gigabit LAN port*2/VGA*1/HDMI*1/DVI*1/PS/2*1/Line-out*1/MIC*1/Line-in*1/9~36V DC power supply/power adapter/aluminum alloy panel
0010-174681	W18A-61	19" panel PC/Intel®BayTrail chipset/Celeron J1900 2.0Ghz quad-core processor/4GB memory/128G SSD/serial port*2/USB2.0*5+USB3.0*1/gigabit LAN port*4/VGA*1/HDMI*1/Line-out*1/MIC*1/12V DC power supply/12V power adapter*1/aluminum alloy front panel/capacitive touch screen
0010-174691	W18A-62	19" panel PC/Intel Skylake SOC chipset/I3-6100U 2.3Ghz dual-core processor/4GB memory/128G SSD/serial port*4/USB2.0*2+USB3.0*2/gigabit LAN port*2/VGA port*1/HDMI*1/Line-out*1/MIC*1/19V DC power supply/19V power adapter*1/aluminum alloy front panel/capacitive touch screen
0010-177971	W18A-63	19" panel PC/Intel Elkhart SOC chipset/J6412 2.0Ghz quad-core processor/4GB memory/128G SSD/serial port*4/USB2.0*3+USB3.0*1/gigabit LAN port*2/VGA port*1/HDMI*1/Line-out*1/MIC*1/12V DC power supply/12V power adapter*1/aluminum alloy front panel/capacitive touch screen
0010-174701	W18A-91	19" panel PC/Intel® H110 chipset/I5-7500T 2.7Ghz quad-core 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/19V power adapter*1/aluminum alloy front panel/capacitive touch screen
0010-174711	W18A-92	19" panel PC/Intel®C236 chipset/I7-8700 3.2Ghz hexa-core processor/8GB memory/128G SSD/serial port*5/USB3.0*8/gigabit LAN port*4/ VGA*1/HDMI*1/DVI*1/GPIO*1/Line-out*1/MIC*1/Line-in*1/19V DC power supply/19V power adapter*1/aluminum alloy front panel/capacitive touch screen

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