

## W21 21.5" Widescreen Aluminum-Alloy Industrial Panel PC

### Brief Introduction

W21 is a fanless industrial panel PC, which contains Intel® Core™ i7/i5/i3/Celeron™ J1900 processor. W21 support WIN7, WIN8, WIN10 and Linux operating system.

Made of aluminum alloy, the PC features simple structure, excellent dust-proof, heat dissipation, anti-vibration and EMC performance. It also provides high reliability and strong environmental adaptability.

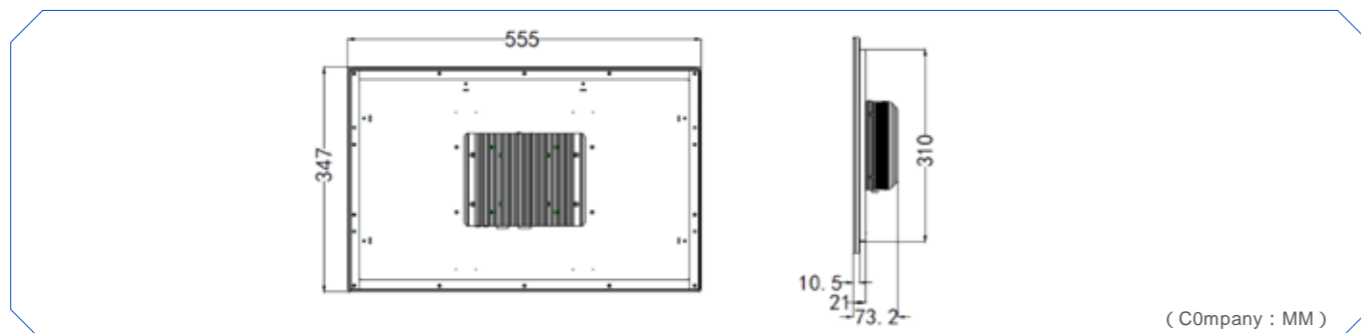
W21 is tailored for the industrial automation industry.



### Features

Sealed and fanless design	Cables design, board-board connector	Multiple platforms and rich configuration optional
Support 9~36V DC input	Support 0~55 operation	Support IP65 in front

### Product size chart



### Specifications

Items	Specification				
System	Mainboard	ECS-1837	ECS-1838	ECS-1840	ECS-1841
	Chipset	Intel® BayTrail	Intel® Skylake-U	Intel® BayTrail	Intel® H110
	CPU	Intel® Celeron® J1900	Intel® Core™ i7-6500U/ i5-6300U/i3-6100U	Intel® Celeron® J1900	Intel® Core® i7-7700T/ i7-6700TE/i5-7500T/ i5-6500TE/i3-6100TE/ i5-6500
	RAM	1 x 204-pin DDR3L SODIMM, up to 8G	Onboard 4G, 1 x 260-pin DDR4 SODIMM, up to 16G Total 20G	1 x 204-pin DDR3L SODIMM, up to 8G	2 x 260-pin DDR4 SODIMM, up to 32G
Display	Size	21.5"			
	Resolution	1920 x 1080			
	Brightness	250cd/m2			
	Contrast	1000:1			
	Touch	Industrial projective capacitive touch, support multi-touch			
	VGA	1 x DB15			
	DVI	\			1 x DVI-D
Ethernet	Controller	LAN1: Intel® i211AT, supports Wake-On-Lan		LAN2: intel® i211AT	
	Interface	2 x RJ45			
	Optional	4 x Gb LAN RJ45		4/6 x Gb LAN RJ45	
Storage	HDD/SSD	1 x 2.5" HDD/SSD		1/2 x 2.5" HDD/SSD	
	mSATA	1			
I/O	USB	1xUSB 3.0 and 3/5xUSB 2.0	2xUSB 3.0 and 2/4xUSB 2.0	1xUSB 3.0 and 7xUSB 2.0	4xUSB 3.0 and 4xUSB 2.0
	Serial Port	2/4 x DB9, RS232/422/485 mode selection; RS232 by default		4/5/6 x DB9, RS232/422/485 mode selection; RS232 by default	
	GPIO	4 x DI/O (using 1 x 10 Phoenix terminal block)			
	Audio	1 x Line-out and 1 x Mic-in			
	PS/2	1 x PS/2 keyboard/mouse port			
Expansion	Mini PCIE	1, used for 4G card with SIM slot			
	mSATA	1, used for mSATA SSD or WiFi card			
Power	Input Voltage	9 ~ 30 VDC		9 ~ 36 VDC	
Watchdog Timer	Output	System reset			
	Interval	Programmable 1 ~ 255 sec/min			
Environment	Temperature	Operating: 0 ~45 (with HDD) -10 ~ 55 (with SSD)		Storage: -30~65	
	Humidity	95% @ 40 (non-condensing)			
	Vibration	Sine vibration: 5-15Hz/1.0mm amplitude; 15-200Hz/1.0g acceleration (SSD)			
	Shock	Anti-shock: 10G, half-sine, pulse width: 11ms Three-axis six-direction			
Mechanical	Dimensions	555mm (W) x 347mm (H)			
		76mm (D)	84mm (D)	78.3mm (D)	89.9mm (D)
	Weight	7kg	7.25kg	7.23kg	7.26kg
	Installation	Panel mount/VESA mount			
EMC&Safety	Meet CE, CCC				
OS Support	Windows 7/8/10, Linux				

### Ordering Information

P/N	Model	Description
0010-115521	W21-01	21.5"/ECS-1837/J1900/4G/500G HDD/2LAN/4USB/4COM/8DIO/VGA/HDMI/PS2/Line-out/Mic-in/DC 9~30V/Adapter
0010-115531	W21-31	21.5"/ECS-1838/i3-6100U/4G/500G HDD/4LAN/6USB/2COM/8DIO/VGA/HDMI/PS2/Line-out/Mic-in/DC 9~30V/Adapter
0010-115541	W21-32	21.5"/ECS-1838/i5-6300U/4G/500G HDD/4LAN/6USB/2COM/8DIO/VGA/HDMI/PS2/Line-out/Mic-in/DC 9~30V/Adapter
0010-114031	W21-51	21.5"/ECS-1841/i3-6100TE/4G/500G HDD/2LAN/8USB/6COM/8DIO/VGA/DVI/HDMI/PS2/Line-out/Mic-in/DC 9~36V/Adapter