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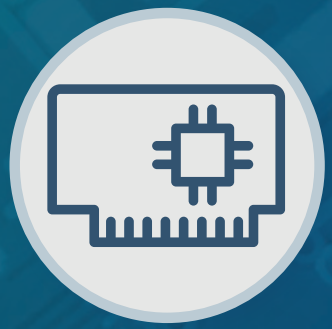
Electronic Design

Panel PC / HMI



Single Board Computer

Industrial PC

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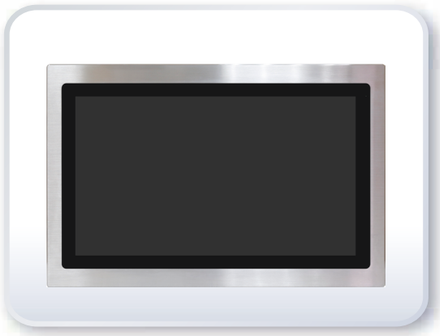
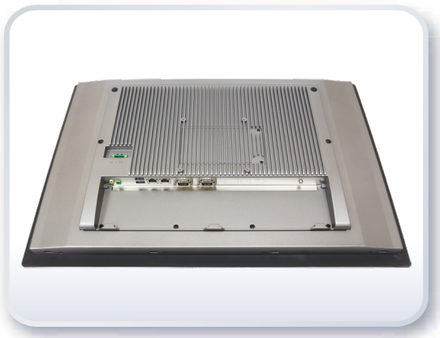
FABS-921AR/P/G(H)

21.5” Fanless Industrial Compact Size Panel PC





Features

- 21.5” Food Industrial Panel PC
- Flat front panel touch screen
- Fanless design
- Intel 6th/7th, Core i3/i5/i7 Processors
- DDR4 SO-DIMM Socket
- Wide range DC 9~36V power input

Specifications

System	
CPU	Intel 6th/7th Core i3/i5/i7 Processors
System Chipset	SoC
Memory	DDR4 SO-DIMM Socket

IO Port	
USB	2 x USB 3.0 type A
Serial / Parallel	1 x RS-232/422/485 DB-9, default RS-232(COM1) 1 x RS-232 DB-9(COM2)
LAN	2 x GbE LAN RJ-45
Audio	1 x Line Out
Power	1 x 3-pin DC Power input terminal 1 x 2-pin connector for power on/off button

Storage Space	
HDD/SSD	1 x 2.5” SATA HDD space (Easily Accessible)

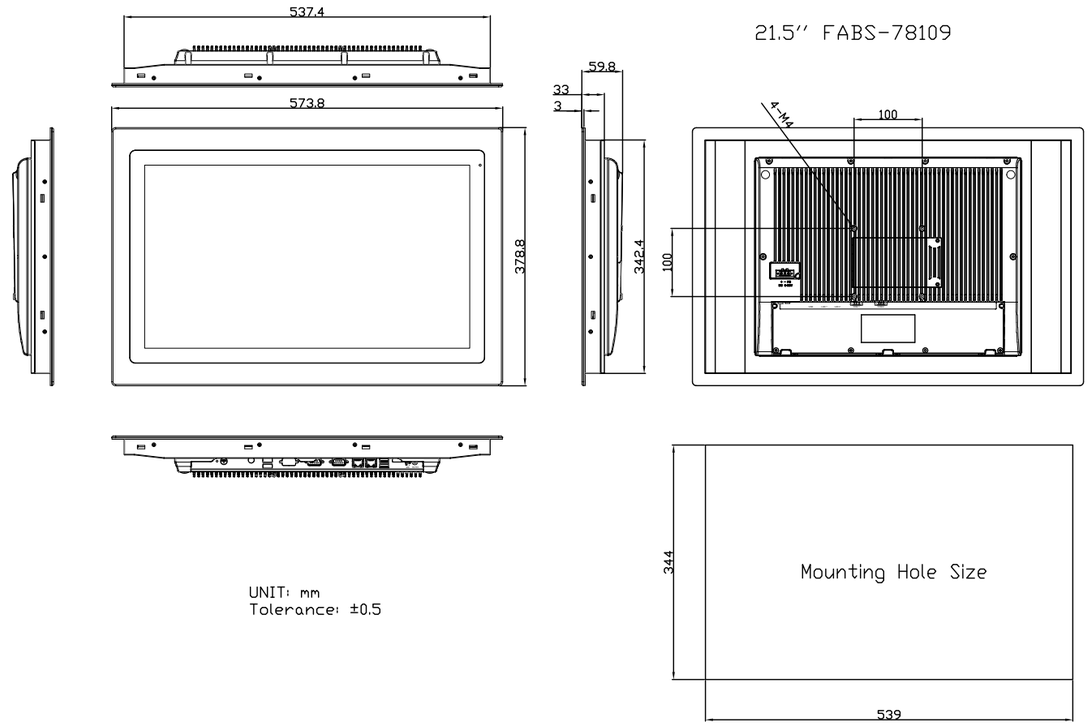
Expansion	
Expansion Slot	1 x Internal Mini-PCIe slot full size on board

Dispalay	Standard	High Brightness Optional
Display Type	21.5” TFT-LCD	21.5” TFT-LCD
Max. Resolution	1920 x 1080	1920 x 1080
Max. Color	16.7M	16.7M
Luminance (cd/m^2)	250	1000
View Angle	178(H) /1780(V)	178(H) /178(V)
Contrast	3000:1	3000:1
Backlight Lifetime	30,000 hrs	50,000 hrs

Touch Screen	
Type	Projected Capacitive Touch (For P model) Resistive Touch(For R model) Glass (For G model)
Interface	USB
Light Transmission(%)	Over 90%

Power	
Power Input	DC 9~36V
Power Consumption	FABS-921AP: 53W

Dimensions



UNIT: mm
Tolerance: ±0.5

Mechanical	
Construction	304 Stainless steel front bezel (Default) 316 Stainless steel front bezel (Optional) Aluminum back cover
Mounting	Panel mount, VESA mount 100 x 100
IP Rating	Front Panel IP66/IP69K
Dimensions	573.8 x 378.8 x 59.8 mm
Net Weight	7.8 kg

Environmental	
Operating Temperature	0~50°C 0~40°C (For 21.5” High Brightness Model)
Storage Temperature	-20~60°C
Storage Humidity	10 to 90% @ 40°C, non-condensing
Certificate	CE / FCC Class A EN 1672-2 (Exclude R model)

Operating System Support
Windows 10 IoT ENT LTSB

Ordering Information	
FABS-921AP (Barebone)	21.5" Full HD fanless HMI barebone with Intel 6th Corei3-6100U CPU, 1 x DDR4 SO-DIMM Socket, Projected Capacitive touch, 9~36V DC input with adapter, Stainless front bezel and Aluminum chassis.
FABS-921AR (Barebone)	21.5" Full HD fanless HMI barebone with Intel 6th Corei3-6100U CPU, 1 x DDR4 SO-DIMM Socket, Resistive touch, 9~36V DC input with adapter, Stainless front bezel and Aluminum chassis.
FABS-921AG (Barebone)	21.5" Full HD fanless HMI barebone with Intel 6th Corei3-6100U CPU, 1 x DDR4 SO-DIMM Socket, Protection glass, 9~36V DC input with adapter, Stainless front bezel and Aluminum chassis.

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All specifications and photos are subject to change without notice.
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HMI Cotroller