

### Features

- 21.5" Food Industrial Panel PC
- Flat front panel touch screen
- Fanless design
- Intel Celeron N2930 Processor
- Onboard 4GB DDR 3L 1600 MHz
- Wide range DC 9~36V power input

### Specifications

System	
CPU	Onboard Intel Celeron N2930 Processor (2M Cache, 1.83GHz)
System Chipset	SoC
Memory	Onboard 4GB DDR3L SDRAM

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
Option	VESA Stand 4G LTE/Wi-Fi/BT 4 x USB 2.0 (TB-528U4) 4 x USB 2.0 + 1 x Mini PCIe + 1 SIM slot (TB-528U4ME1) 1 x COM + 2 x USB 2.0 (TB-528C1U2) 1 x COM + 2 x USB 2.0 + 1 x Mini PCIe + 1 x Power Button (TB-528C1U2P1) 2 x COM(RS-232) (TB-528C2) 2 x COM(RS-232) + 1 x Mini PCIe slot + 1 x SIM slot (TB-528C2ME1) 2 x COM(RS-232/485, isolated) (TB-528C2I) 2 x CAN (TB-528CAN2) 1 x LAN + 2 x USB 2.0 (TB-528E1U2) <b>UPS Battery 21W/10.8Wh/1.95Ah(3S1P)</b>

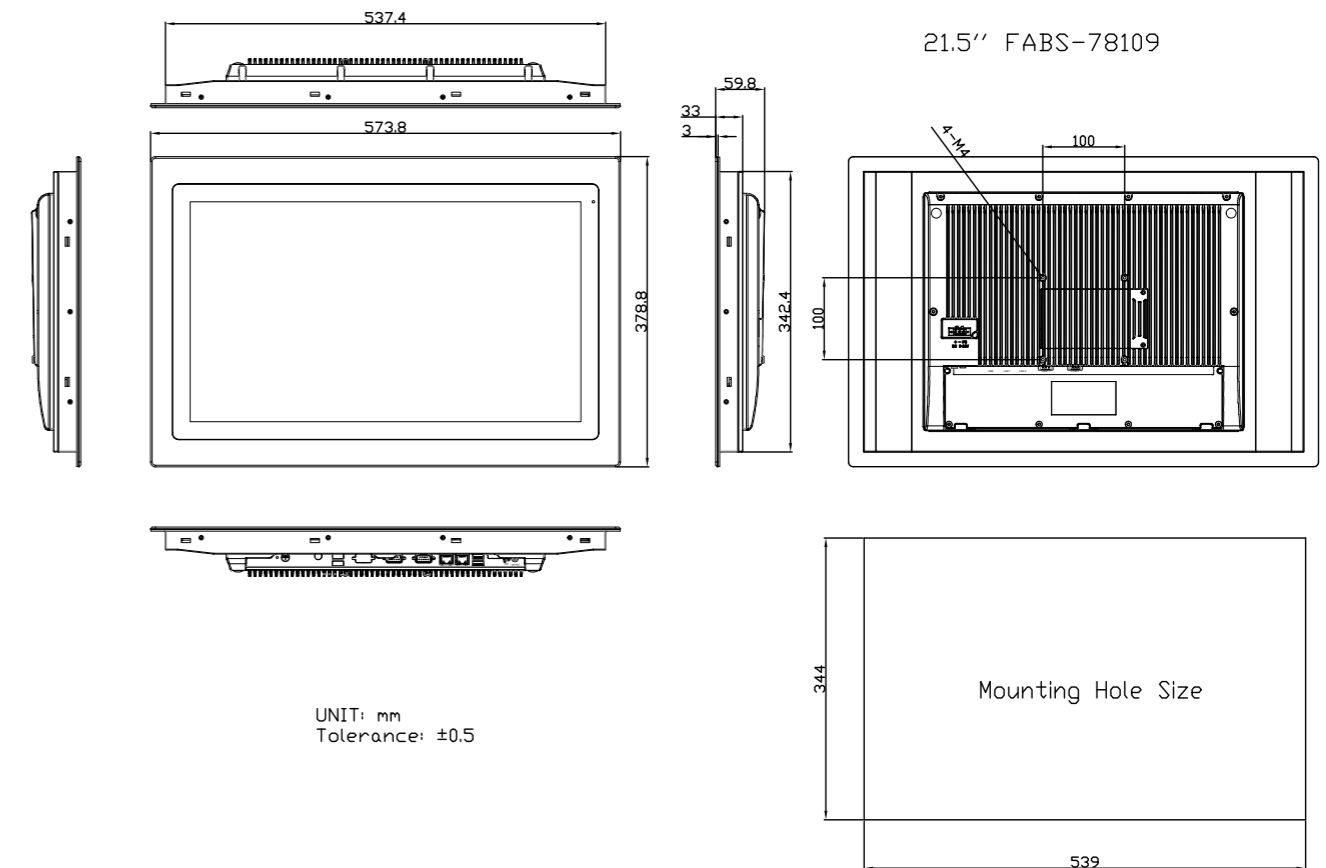
Storage Space	
HDD/SSD	1 x 2.5" SATA HDD bay for SATA HDD (Easy Accessible)
Others	1 x internal SD slot onboard

Expansion	
Expansion Slot	1 x Internal Mini-PCIe slot full size 1 x SIM card holder / Micro SD card reader

Display	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 <sup>2</sup> )	250	1000
View Angle	178(H)/178(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) Glass (for G model)
Interface	USB
Light Transmission(%)	Over 90%

### Dimensions



Power	
Power Input	DC 9~36V
Power Consumption	FABS-821P: 40W (MAX)

Mechanical	
Construction	Aluminum die-casting chassis
Mounting	Panel mount, VESA mount 100 x 100
IP Rating	IP66 Compliant Front Bezel
Dimensions	573.8 x 378.8 x 59.8 mm
Net Weight	8 kg

Environmental	
Operating Temperature	0~40°C
Storage Temperature	-30~70°C
Humidity	10 to 95% @ 40°C, non- condensing
Certificate	CE/FCC Class A for Resistive Model CE/FCC Class A/EN 1672-2 for P/G/PH/GH Model

Operating System Support	
Windows 10 IoT Enterprise	

Ordering Information	
FABS-821P (Barebone)	21.5" FHD fanless HMI barebone with Celeron N2930(1.83.GHz ) CPU, 4GB DDR3L RAM, Projected Capacitive touch,, 9~36VDC input with adapter, Stainless front bezel and Aluminum chassis.
FABS-821G (Barebone)	21" FHD fanless HMI barebone with Celeron N2930 (1.83.GHz ) CPU, 4GB DDR3L RAM, Protection Glass, 9~36V DC input with adapter, Stainless front bezel and Aluminum chassis.