

Features

- 21.5" Food Industrial Panel PC
- Intel Celeron N2930 Processor
- Onboard 4GB DDR3L 1333MHz
- Flat and Stainless Steel Front Panel Design
- Fanless Design
- 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 Terminal Block Connector 1 x 2-pin Power Switch Connector
Option	VESA Stand 4G LTE/WiFi/ BT 4 x USB 2.0 type A (TB-528U4) 4 x USB 2.0 type A + 1 x Mini-PCle + 1 x SIM slot (TB-528U4ME1) 2 x COM (RS-232) (TB-528C2) 1 x COM (RS-232) + 2 x USB 2.0 (TB-528C1U2) 1 x COM (RS-232) + 2 x USB 2.0 + 1 x Power Button (TB-528C1U2P1) 2 x COM (RS-232) + 1 x Mini-PCle slot + 1 x SIM slot (TB-528C2ME1) 2 x COM (RS-422/485, isolated) (TB-528C2I) 2 x CAN (TB-528CAN2) 1 x LAN + 2 x USB 2.0 type A (TB-528E1U2) 1 x LAN(45W isolated PoE PD) + 2 x USB 2.0 type A (TB528E1U2UPOE) Backup Battery 21W/10.8V/1.95Ah(3S1P) System is only allowed to build in either TB-528 PoE series or backup battery

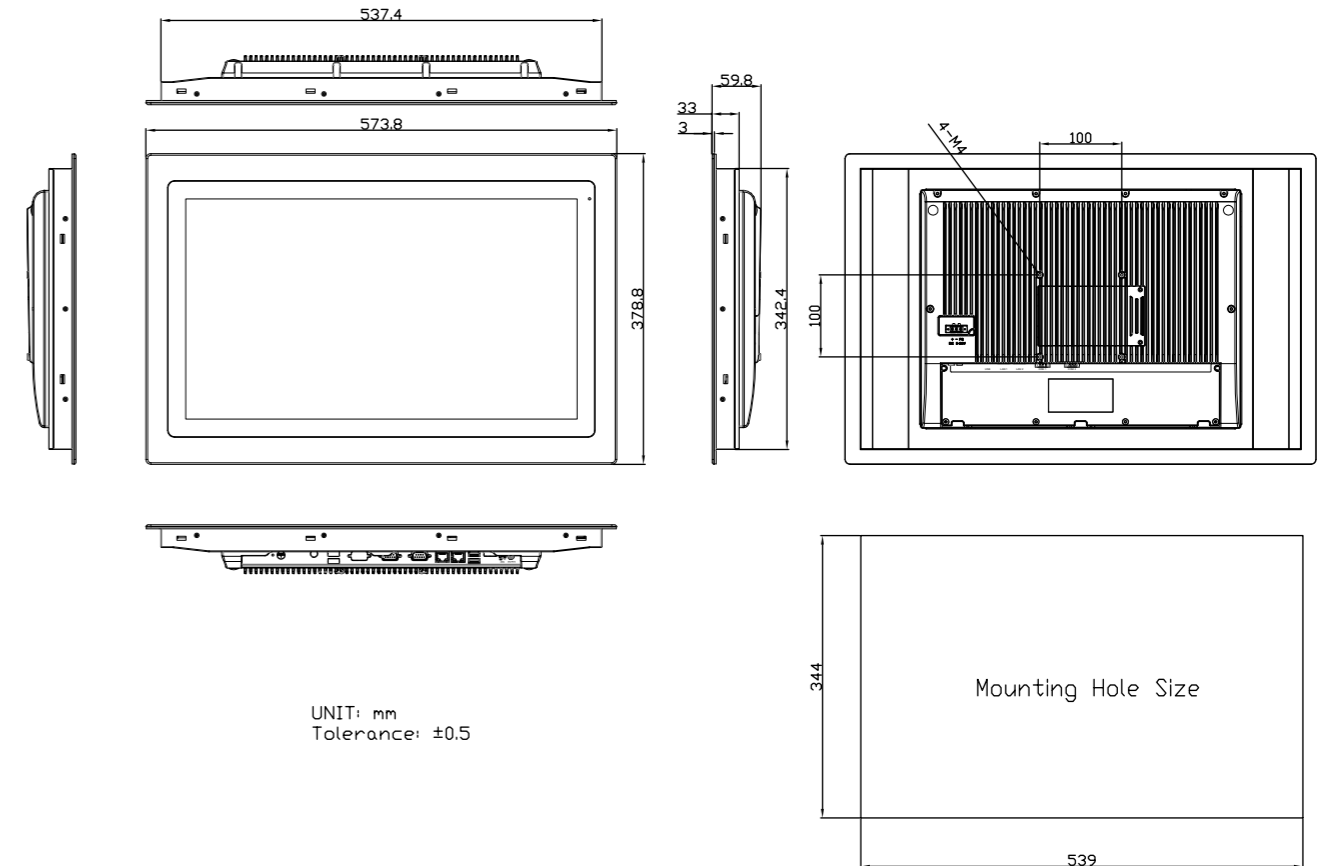
Storage Space	
HDD	1 x 2.5" SATA HDD space (Easily Accessible)
Movable Device	1 x Internal Micro SD slot onboard

Expansion	
On board expansion bus	1 x Mini-PCle (full size) 1 x Micro SIM slot

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 ²)	250	1000
View Angle	178(H) / 178(V)	178(H) / 178(V)
Contrast	1000:1	1000:1
Backlight Lifetime	50,000 hrs	50,000 hrs

Touch Screen	
Type	Projected Capacitive Touch (for AP model) Resistive Touch (for AR model)
Interface	USB
Light Transmission(%)	Resistive Touch: 80% Projected Capacitive: 90%

Dimensions



Power	
Power Input	DC 9~36V
Power Consumption	FABS-821P: 44W (MAX)

Mechanical	
Construction	304 Stainless Steel Front Bezel (default) 316 Stainless Steel Front Bezel (for option) Aluminum Die-casting Back Cover
Mounting	Panel Mount, VESA Mount 100 x 100
IP Rating	IP66/IP69K Compliant Front Bezel
Dimensions	573.8 x 378.8 x 59.8 mm
Net Weight	8 kg

Environmental	
Operating Temperature	0~50°C
Storage Temperature	-30~70°C
Humidity	10 to 90%@ 40°C, non-condensing
Certificate	CE/FCC Class A EN 1672-2 for P Model

Operating System Support	
Windows 10 IoT	

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