

## AUHMI-821BP/H Information

---

### [LCD]

- LCD Size: 21.5" TFT-LCD
  - Touch Type: Projected Capacitive Touch
  - Luminance(cd/m<sup>2</sup>): Standard: 250 | High Brightness: 1000
- 

### [System]

- CPU: Intel Celeron J6412 (2.0GHz, 1.5MB L2 cache)
  - Power Consumption: AUHMI-821BP: 50W
  - System Chipset: SoC
  - System Memory: 1 x 260-pin SO-DIMM up to 32GB DDR4 3200MHz
  - TPM: TPM 2.0
- 

### [I/O Port]

- Audio: 1 x Line-out
  - DP: 1 x DP, support DP++
  - LAN: 2 x 2.5GbE LAN RJ-45
  - Power: 1 x 3-pin Terminal Block Connector | 1 x 2-pin Power Switch Connector
  - Serial / Parallel: 1 x RS-232/422/485 (Default RS-232; select via BIOS)
  - USB: 2 x USB 3.2 Gen2 type A | 2 x USB 2.0 ,Type-A
- 

### [Storage Space]

- HDD/SSD: 1 x M.2 B-Key 2280 (Support SATA3)
- 

### [Expansion]

- On board expansion bus: 1 x M.2 E-key | 1 x M.2 B-Key | 1 x Nano SIM slot
- 

### [Display]

- Backlight lifetime(hrs): 50,000
  - Contrast: 1000:1
  - LCD Size: 21.5" TFT-LCD
  - Luminance(cd/m<sup>2</sup>): Standard: 250 | High Brightness: 1000
  - Max. color: 16.7M
  - Max. resolution: 1980 x 1080
  - Viewangle(H°/V°): 178 / 178
- 

### [Touch Screen(Optional)]

- Interface: USB
  - Light transmission(%): Projected Capacitive Touch: Over 90%
  - Touch Type: Projected Capacitive Touch
- 

### [Power]

- Power input: DC 9~36V
- 

### [Mechanical]

- Construction: Aluminum Die-casting Chassis
- Dimension(mm): 541 x 333 x 59 mm

- IP rating: IP66 Compliant Front Bezel
- Mounting: Panel Mount, VESA 100 x 100
- Net weight(Kgs): 6.5 kg

-----  
[Environment]

- Certification: CE/FCC Class B
- Operating temperature(°C): 0~50°C
- Storage humidity: 10 to 95%@ 40°C, non-condensing
- Storage temperature(°C): -30~70°C

-----  
[Operating System]

- Operating System: Windows 10 IoT, Windows 11 IoT

-----  
[Ordering Information]

- Barebone : AUHMI-821BP(H): | 21.5" (high brightness) FHD fanless HMI barebone with Intel Celeron J6412, 1 x DDR4 slot, 1 x M.2 2280 SATA slot, 1 x M.2 E key slot, 1 x M.2 B key slot, Projected Capacitive touch, 9~36V DC input with adapter, Aluminum Die-casting chassis.
- Option: ●4G LTE ●Wi-Fi + Bluetooth ●4 x USB 2.0 type A (TB-528U4) ●4 x USB 2.0 type A + 1 x Mini-PCIe + 1 x SIM slot (TB-528U4ME1) ●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) (TB-528C2) ●2 x COM (RS-232) + 1 x Mini-PCIe 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 (TB-528E1U2) ●1 x Backup Battery (10.8V/3150mAh) ●1 x Cable Cover ●(TB-528 Series or backup battery only be inserted in either one) Either high brightness panel or backup battery can be installed in HMI