



### Features

- 8" SVGA TFT Touch Panel PC
- 5-wire resistive touch screen
- Intel® Celeron® Processor J3455
- HDMI x1, 2x GbE LAN, 2x COM, 4 x USB 3.2 (Gen1x1, 5Gbps)
- Optional TPM 2.0
- No HDD support
- Fanless
- Wide range voltage input +12V ~ +24V
- IP65 compliant front panel
- VESA compliance



+12V ~ +24V



Resistive



Fanless



0°C ~ 40°C



Front IP65

### Specifications

#### System Information

|                         |                                                                                  |
|-------------------------|----------------------------------------------------------------------------------|
| Processor               | Intel® Celeron® Processor J3455, 2M Cache, up to 2.30 GHz                        |
| Platform Controller Hub | Intel® Pentium®/Celeron®/Atom™ SoC                                               |
| System Memory           | 1x 204-pin DDR3L SODIMM socket, supports up to 8GB DDR3L 1866MTs SDRAM (non-ECC) |
| I/O Chipset             | EC ITE IT8528E                                                                   |
| Watchdog Timer          | H/W reset, 1sec. ~ 65535sec. and 1sec./step                                      |
| H/W Status Monitor      | Monitoring CPU & system temperature and voltage                                  |
| SBC                     | ECM-APL                                                                          |
| CPU Cooler (Type)       | Fanless heatsink                                                                 |
| Other                   | 1x HDMI                                                                          |

#### Expansion

|           |                                                                                    |
|-----------|------------------------------------------------------------------------------------|
| Expansion | 1x Full-Size mini PCI express mini card (for PCIe & USB2.0)<br>1x M.2 (2242) B-Key |
|-----------|------------------------------------------------------------------------------------|

#### Storage

|         |                                                                                              |
|---------|----------------------------------------------------------------------------------------------|
| Storage | 1x M.2 B key (2242 support SATA/PCIe1/USB interface & with Micro SIM card connector) for SSD |
|---------|----------------------------------------------------------------------------------------------|

#### Display

|                 |                                                                 |
|-----------------|-----------------------------------------------------------------|
| Graphic Chipset | Intel® Valleyview SoC integrated graphics supports dual display |
|-----------------|-----------------------------------------------------------------|

#### Audio

|                 |                 |
|-----------------|-----------------|
| Audio Codec     | Realtek ALC888S |
| Audio Interface | Line-out        |

#### Ethernet

|                    |                                    |
|--------------------|------------------------------------|
| LAN Chipset        | Dual Intel® I210AT Gigabit LAN     |
| Ethernet Interface | 10/100/1000 Base-Tx GbE compatible |

#### Power Requirement

|                    |                                                                |
|--------------------|----------------------------------------------------------------|
| DC Input           | +12V ~ +24V                                                    |
| DC Input Connector | Lockable DC Jack (default)<br>Optional for phoenix connector   |
| ACPI               | Single power ATX support S0, S3, S4, S5 and ACPI 3.0 compliant |

#### Software Support

|    |                          |
|----|--------------------------|
| OS | Win 10 / Android / Linux |
|----|--------------------------|

#### Certification

|                           |                  |
|---------------------------|------------------|
| Certification Information | CE / FCC Class B |
|---------------------------|------------------|

#### Panel

|                          |                                |
|--------------------------|--------------------------------|
| LCD Size                 | 8", 4:3                        |
| Display Type             | SVGA                           |
| Resolution               | 800 x 600                      |
| Pixel Pitch              | 0.0675mm (H) x 0.2025mm (V)    |
| Luminance                | 500 cd/m2                      |
| Contrast Ratio           | 500                            |
| Viewing Angle            | 50 (U), 70 (D), 70 (L), 70 (R) |
| Response time            | 25 ms                          |
| Backlight                | LED                            |
| Touch Type               | 5 wires resistive              |
| Touch Light Transmission | 80%                            |
| Touch Controller         | USB touch (EETI)               |

#### External I/O

|          |                                                                                                                             |
|----------|-----------------------------------------------------------------------------------------------------------------------------|
| USB      | 1x USB 3.0, 3x USB 2.0                                                                                                      |
| LAN Port | 2x RJ-45                                                                                                                    |
| COM Port | 1x DB-9 male connector for COM1 supports RS232 (BOM option for RS422/485)<br>1x DB-9 male connector for COM2 supports RS232 |

#### System Control

|               |                    |
|---------------|--------------------|
| LED Indicator | HDD LED, power LED |
|---------------|--------------------|

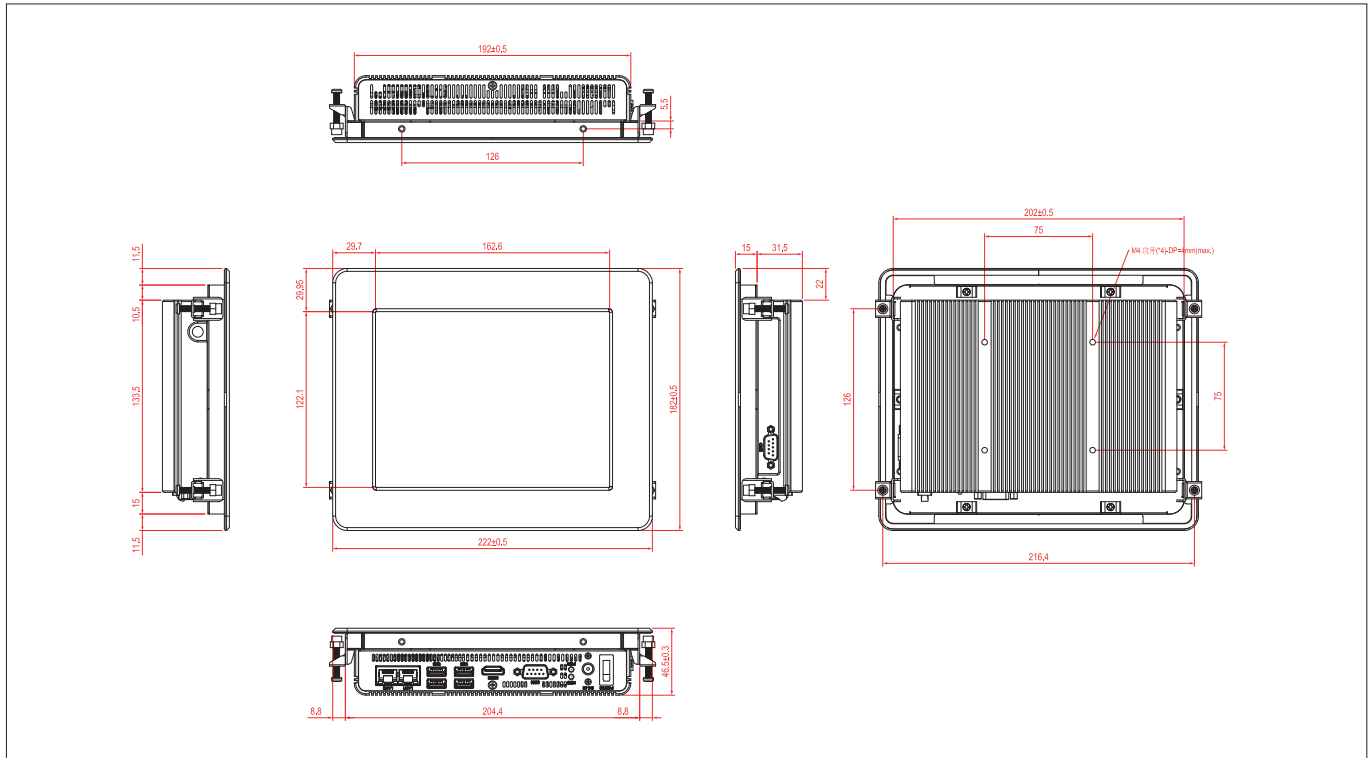
#### Mechanical & Environmental

|                       |                                                                         |
|-----------------------|-------------------------------------------------------------------------|
| Operating Temp.       | 0°C ~ 40°C (32°F ~ 104°F)                                               |
| Storage Temp.         | -20°C ~ 60°C (-4°F ~ 140°F)                                             |
| Operating Humidity    | 40°C @ 95% Relative humidity, non-condensing                            |
| Dimension (W x L x H) | 202.5 x 159.5 x 46.5mm                                                  |
| Weight                | 1.39 Kg                                                                 |
| Vibration Test        | With SSD/mSATA : 1.5Grms, IEC 60068-2-64, random, 5 ~ 500Hz, 30min/axis |
| Shock Test            | With CF/SSD : 10Grms, IEC 60068-2-27, half sine, 11ms                   |
| Drop Test             | ISTA 2A, IEC-60068-2-32 Test:Ed                                         |
| IP Rating             | Front panel IP65                                                        |
| Mounting Kit          | Wall / Stand / VESA 75mm x 75mm                                         |
| Power Mode            | AT/ATX (ATX is default)                                                 |
| System Fan            | Fanless                                                                 |
| Construction          | Silver aluminum (Front), Silver alloy (Rear)                            |

#### Component

|         |                                                                          |
|---------|--------------------------------------------------------------------------|
| Adapter | Input: 100 ~ 240Vac/ 50 ~ 60Hz<br>Output: 60W adapter (12V @ 5A adapter) |
|---------|--------------------------------------------------------------------------|

## Mechanical Drawing



## Ordering Information

| P/N              | Touch Type | Processor | Memory                   | Storage       | Resolution | Luminance | COM | USB | LAN | Power Input | Operating Temp. | OS Support               |
|------------------|------------|-----------|--------------------------|---------------|------------|-----------|-----|-----|-----|-------------|-----------------|--------------------------|
| LPC-0833-345-A2R | Resistive  | J3455     | 1 x 204-pin DDR3L SODIMM | 1 x M.2 B key | 800 x 600  | 500       | 2   | 4   | 2   | +12V ~ +24V | 0°C ~ 40°C      | Win 10 / Android / Linux |

## Packing List

| Item                              | P/N              | Quantity |
|-----------------------------------|------------------|----------|
| AC/DC adapter 12V/5A 90 Plug Type | ACC-ADP-060N-07R | 1        |
| M4 x 4mm Screw for VESA           | ACC-SCREW-0001R  | 4        |

## Optional Items

| Item                                                                           | P/N                |
|--------------------------------------------------------------------------------|--------------------|
| MPCIe WIFI-Kit for LPC Series(half-card) Antenna/ Cable/BT4.0/802.11a/b/g/n/ac | ACC-LPC-WIFI-01R   |
| Front Panel Mount Kit for LPC-08 Series, w/o IP-65                             | ACC-LPC-08-PMT-03R |
| Front Panel Mount Kit for LPC-08 Series, w/ IP-65                              | ACC-LPC-08-PMT-04R |
| USA Power Cord                                                                 | E1702031833R       |
| EU Power Cord                                                                  | E1702031000R       |
| Japan Power Cord                                                               | E1702031834R       |
| UK Power Cord                                                                  | E1702031830R       |
| Australia Power Cord                                                           | E1702031831R       |

## I/O Overview

