



## LPC-0833

### 8" Intel® Pentium®/Celeron®/Atom™ SoC Processor J3455/N3350 Fanless Rugged To Panel PC

8" SVGA TFT Touch Panel PC  
 5-wire Resistive Touch Screen  
 Intel® Pentium®/Celeron®/Atom™ J3455/N3350 CPU  
 HDMI x 1, 2x GbE LAN, 2x COM, 4 x USB 3.2 (Gen1x1)  
 Optional TPM 2.0  
 No HDD Support  
 Fanless  
 Wide Range Voltage Input +12V ~ +24V  
 IP65 Compliant Front Panel  
 VESA Compliance

#### + Spec

#### .System Information-

|                                |                                                                                   |
|--------------------------------|-----------------------------------------------------------------------------------|
| <b>Processor</b>               | Intel® Pentium®/Celeron®/Atom™ SoC Processor                                      |
| <b>Platform Controller Hub</b> | Intel® Pentium®/Celeron®/Atom™ SoC                                                |
| <b>System Memory</b>           | 1 x 204-pin DDR3L SODIMM Socket, Supports Up to 8GB DDR3L 1866MTs SDRAM (Non-ECC) |
| <b>I/O Chipset</b>             | EC ITE IT8528E                                                                    |
| <b>Watchdog Timer</b>          | H/W Reset, 1sec. ~ 65535sec. and 1sec./step                                       |
| <b>H/W Status Monitor</b>      | Monitoring CPU & System Temperature and Voltage                                   |
| <b>SBC</b>                     | ECM-APL                                                                           |

#### .Expansion

|                  |                                                                                   |
|------------------|-----------------------------------------------------------------------------------|
| <b>Expansion</b> | 1 x Full-Size Mini PCI Express Mini Card (for PCIe & USB2.0) 1 x M.2 (2242) B-Key |
|------------------|-----------------------------------------------------------------------------------|

#### .Storage

|                |                                                                                                |
|----------------|------------------------------------------------------------------------------------------------|
| <b>Storage</b> | 1 x M.2 B key (2242 support SATA/PClex1/USB interface & with Micro SIM card connector) for SSD |
|----------------|------------------------------------------------------------------------------------------------|

#### .Panel

|                                 |                             |
|---------------------------------|-----------------------------|
| <b>LCD Size</b>                 | 8", 4:3                     |
| <b>Display Type</b>             | SVGA                        |
| <b>Resolution</b>               | 800x600                     |
| <b>Pixel pitch</b>              | 0.0675mm(H) x 0.2025mm(V)   |
| <b>Luminance</b>                | 500 cd/m2                   |
| <b>Contrast ratio</b>           | 500                         |
| <b>Viewing angle</b>            | 50(U), 70(D), 70(L), 70 (R) |
| <b>Response time</b>            | 25 ms                       |
| <b>Backlight</b>                | LED                         |
| <b>Touch Type</b>               | 5 Wires resistive           |
| <b>Touch Light Transmission</b> | 80%                         |
| <b>Touch Controller</b>         | USB touch (EETI)            |

#### .I/O

|                 |                                                                                                                               |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------|
| <b>USB Port</b> | 1 x USB 3.0<br>3 x USB 2.0                                                                                                    |
| <b>COM Port</b> | 1 x DB-9 male connector for COM1 supports RS232 (BOM option for RS422/485)<br>1 x DB-9 male connector for COM2 supports RS232 |
| <b>Other</b>    | 1 x HDMI                                                                                                                      |

#### .Display

|                        |                                                                    |
|------------------------|--------------------------------------------------------------------|
| <b>Graphic Chipset</b> | Intel® Valleyview SoC integrated Graphics<br>Supports dual display |
|------------------------|--------------------------------------------------------------------|

#### .Software Support

|           |                                         |
|-----------|-----------------------------------------|
| <b>OS</b> | Windows 10 Android x86 8.1 Ubuntu 16.04 |
|-----------|-----------------------------------------|

#### .Reliability

|                              |                                             |
|------------------------------|---------------------------------------------|
| <b>EMI Test</b>              | CE/FCC Class B                              |
| <b>Operating Temperature</b> | 0°C ~ 40°C (32°F ~ 104°F)                   |
| <b>Operating Humidity</b>    | 40°C @95% Relative Humidity, Non-condensing |
| <b>Unit Weight</b>           | 1.39 Kgs                                    |
| <b>Storage Temperature</b>   | -20°C ~ 60°C (-4°F ~ 140°F)                 |

#### .Certifications

|                                  |                |
|----------------------------------|----------------|
| <b>Certification Information</b> | CE/FCC Class B |
|----------------------------------|----------------|

**.Ethernet**

**LAN Chipset**  
**LAN Port**

Dual Intel® I211AT Gigabit LAN  
 2 x RJ-45

**.Power Requirement**

W



**DC Input** +12V ~ +24V  
**DC Input Connector** Lockable DC Jack  
**Power Mode** 12 ~ 24V, AT/ATX  
**Adapter** Input: 100 ~ 240Vac/ 50 ~ 60Hz  
 Output: 60W Adapter (12V @ 5A Adapter)

**.Mechanical & Environmental**

**Operating Temperature** 0°C ~ 40°C (32°F ~ 104°F)  
**Storage Temperature** -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 46.5 mm  
**Weight** 1.39 Kgs  
**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  
**System Fan** Fanless  
**Construction - Front** Silver Aluminum  
**Construction - Rear** Black Iron and Aluminum

**.Software Support**

**OS Information**  
 Windows 10  
 Android x86  
 Linux Ubuntu

**.Ordering Information**

**Ordering Information**  
 LPC-0833-345-A1R  
 LPC-0833 w/J3455/SVGA/4GR/888S/Resistive/F1/12~24V/Adapter  
 LPC-0833-WMB-A1R  
 LPC-0833-345 /J3455/F1/SVGA/4GR/888S/A1R/Resistive/Panel mount/12~24V/Adapter  
 ACC-LPC-WIFI-01R  
 MPCIE WIFI-Kit for LPC Series(half-card) Antenna/Cable/BT4.0/802.11a/b/g/n/ac  
 ACC-LPC-08-PMT-03R  
 Front Panel Mount Kit for LPC-08 Series, w/o IP-65  
 ACC-LPC-08-PMT-04R  
 Front Panel Mount Kit for LPC-08 Series, w/ IP-65  
 E1702031833R USA Power Cord  
 E1702031000R EU Power Cord  
 E1702031834R Japan Power Cord  
 E1702031830R UK Power Cord  
 E1702031831R Australia Power Cord

W