



LPC-0833

8" Intel® Pentium®/Celeron®/Atom™ SoC Processor J3455/N3350 Fanless Rugged Touch 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, 5Gbps)
- > Optional TPM 2.0
- > No HDD Support
- > Fanless
- > Wide Range Voltage Input +12V ~ +24V
- > IP65 Compliant Front Panel
- > VESA Compliance

+ Spec

| -System Information- | |
|----------------------------------|---|
| Processor | Intel® Pentium®/Celeron®/Atom™ SoC Processor |
| Platform Controller Hub | Intel® Pentium®/Celeron®/Atom™ SoC |
| System Memory | 1 x 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 |
| Expansion | |
| Expansion | 1 x Full-Size Mini PCI Express Mini Card (for PCIe & USB2.0) 1 x M.2 (2242) B-Key |
| Storage | |
| Storage | 1 x M.2 B key (2242 support SATA/PClex1/USB interface & with Micro SIM card connector) for SSD |
| Panel | |
| LCD Size | 8", 4:3 |
| Display Type | SVGA |
| Resolution | 800x600 |
| 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) |
| I/O | |
| USB Port | 1 x USB 3.0 3 x USB 2.0 |
| COM Port | 1 x DB-9 male connector for COM1 supports RS232 (BOM option for RS422/485) 1 x DB-9 male connector for COM2 supports RS232 |
| Other | 1 x HDMI |
| Display | |
| Graphic Chipset | Intel® Valleyview SoC integrated Graphics Supports dual display |
| Software Support | |
| OS | Windows 10 Android x86 8.1 Ubuntu 16.04 |
| Reliability | |
| EMI Test | CE/FCC Class B |
| Operating Temperature | 0°C ~ 40°C (32°F ~ 104°F) |
| Operating Humidity | 40°C @95% Relative Humidity, Non-condensing |
| Unit Weight | 1.39 Kgs |
| Storage Temperature | -20°C ~ 60°C (-4°F ~ 140°F) |
| Certifications | |
| Certification Information | CE/FCC Class B |
| Ethernet | |
| LAN Chipset | Dual Intel® I211AT Gigabit LAN |
| LAN Port | 2 x RJ-45 |
| Power Requirement | |



| | |
|---------------------------------------|--|
| 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 |