



### 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-	
<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>HW 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 xM.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 3 x USB 2.0
<b>COM Port</b>	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
<b>Other</b>	1 x HDMI
Display	
<b>Graphic Chipset</b>	Intel® Valleyview SoC integrated Graphics 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	
<b>LAN Chipset</b>	Dual Intel® I211AT Gigabit LAN
<b>LAN Port</b>	2 x RJ-45
Power Requirement	



<b>DC Input</b>	+12V ~ +24V
<b>DC Input Connector</b>	Lockable DC Jack
<b>Power Mode</b>	12 ~ 24V, AT/ATX
<b>Adapter</b>	Input: 100 ~ 240Vac/ 50 ~ 60Hz Output: 60W Adapter (12V @ 5A Adapter)
<b>Mechanical &amp; Environmental</b>	
<b>Operating Temperature</b>	0°C ~ 40°C (32°F ~ 104°F)
<b>Storage Temperature</b>	-20°C ~ 60°C (-4°F ~ 140°F)
<b>Operating Humidity</b>	40°C @ 95% Relative Humidity, Non-condensing
<b>Dimension (W x L x H)</b>	202.5 x 159.5 x 46.5 mm
<b>Weight</b>	1.39 Kgs
<b>Vibration Test</b>	With SSD/mSATA : 1.5Grms, IEC 60068-2-64, Random, 5 ~ 500Hz, 30min/axis
<b>Shock Test</b>	With CF/SSD : 10Grms, IEC 60068-2-27, Half Sine, 11ms
<b>System Fan</b>	Fanless
<b>Construction - Front</b>	Silver Aluminum
<b>Construction - Rear</b>	Black Iron and Aluminum
<b>Software Support</b>	
<b>OS Information</b>	Windows 10 Android x86 Linux Ubuntu
<b>Ordering Information</b>	
<b>Ordering Information</b>	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

## Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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