



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/PCIe/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	

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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/F 1/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

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US

sales@assured-systems.com

Sales: +1 347 719 4508

Support: +1 347 719 4508

1309 Coffeen Ave
Ste 1200
Sheridan
WY 82801
USA

EMEA

sales@assured-systems.com

Sales: +44 (0)1785 879 050

Support: +44 (0)1785 879 050

Unit A5 Douglas Park
Stone Business Park
Stone
ST15 0YJ
United Kingdom

VAT Number: 120 9546 28

Business Registration Number: 07699660