



LPC-1509

15" Intel® Atom™ SoC Processor E3845 Fanless Rugged Touch Panel PC

- > Intel® Atom™ E3845 1.91GHz CPU
- > One 204-pin DDR3L SODIMM Socket Supports Up to 8GB DDR3L 1333 SDRAM
- > 1 CF, 2 USB, 1 COM
- > Dual Intel I210IT Gigabit LAN
- > Wide Voltage +12V ~ +26V Input, ErP Power
- > Backlight Controlled by PWM
- > IP65 Compliant Front Panel
- > Timer-Power-On

+ Spec

-System Information-

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|-------------------------|---|
| Processor | Intel® Atom™ E3845 4-Core 1.91GHz processor |
| Platform Controller Hub | Intel® Valleyview SoC |
| System Memory | 1 x 204-Pin DDR3L 1333MHz SO-DIMM up to 8 GB |
| I/O Chipset | EC ITE IT8528E |
| Watchdog Timer | H/W Reset, 1sec. ~ 65535sec./1sec.step |
| H/W Status Monitor | Monitoring CPU & System Temperature and Voltage |
| SBC | EBM-BYT |

Expansion

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| Expansion | 1 x Mini PCIe Support mSATA 1 x Mini PCIe Supports SIM Card |
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Storage

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| Storage | 1 x CompactFlash Type III Socket 1 x 2.5" Drive Bay |
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Panel

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|--------------------------|--------------------------------|
| LCD Size | 15", 4:3 |
| Display Type | XGA |
| Resolution | 1024x768 |
| Pixel pitch | 0.297mm(H) x 0.297mm(V) |
| Luminance | 500 cd/m2 |
| Contrast ratio | 2500 |
| Viewing angle | 88 (U), 88 (D), 88 (L), 88 (R) |
| Response time | 16 ms |
| Backlight | LED |
| Touch Type | 5 Wire resistive touch |
| Touch Light Transmission | 80% |
| Touch Controller | Onboard USB touch (EETI) |

I/O

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|----------|--|
| USB Port | 1 x USB 3.0 1 x USB 2.0 |
| COM Port | 1 x RS-232/422/485 (BIOS) |
| SATA | 1 x SATA II |
| Other | 1 x HDMI 1 x Knockouts for Antenna Mounting |

Display

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| Graphic Chipset | Intel® Valleyview SoC integrated Graphics Supports dual display |
| Spec. & Resolution | HDMI:Max. resolution 1920x1200@ 60Hz |

Audio

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|-----------------|-----------------|
| Audio Codec | Realtek ALC888S |
| Audio Interface | Line-Out |
| Speaker Output | 2 x 1W |

Certifications

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

Ethernet

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| LAN Chipset | 2 x Intel® I210IT |
| Ethernet Interface | 10/100/1000 Base-Tx GbE compatible |
| LAN Port | 2 x RJ-45 |

Power Requirement



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|---------------------------------------|---|
| DC Input | +12V ~ +26V |
| DC Input Connector | Lockable DC Jack |
| Power Mode | AT/ATX (ATX is default setting) |
| Adapter | Input: 100 ~ 240Vac/ 50 ~ 60Hz Output: 60W Adapter (12V @ 5A Adapter) |
| Mechanical & Environmental | |
| Operating Temperature | -20°C ~ 60°C (-4°F ~ 140°F) |
| Storage Temperature | -30°C ~ 70°C (-22°F ~ 158°F) |
| Operating Humidity | 0% ~ 90% Relative Humidity, Non-condensing |
| Dimension (W x L x H) | 350 x 273.9 x 53.1 mm |
| Weight | 4.2Kgs |
| 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 |
| Software Support | |
| OS Information | Win 7 (32 bit), Win 8 (32 bit), Linux(64 bit) |
| Ordering Information | |
| Ordering Information | <p>LPC-1509-384-A4R Intel Atom E3845 1.91GHz CPU/4G DDR3L/2GLAN/COM/12~26V input/12V Adaptor</p> <p>LPC-1509-WMB-A4R Intel Atom E3845 1.91GHz CPU/4G DDR3L/2GLAN/COM/ Back Panel Mount/ 12~26V input/12V Adaptor</p> <p>ACC-LPC-WIFI-01R MPCIE WIFI-Kit for LPC Series(half-card) Antenna/Cable/BT4.0/802.11a/b/g/n/ac</p> <p>ACC-ARM-D1R VESA STAND, 75mm & 100 mm</p> <p>ACC-ARM-D19R VESA STAND, 75mm & 100 mm</p> <p>ACC-LPC-15-PMT-01R Front Panel Mount Kit for LPC-15 Series, w/o IP-65</p> <p>ACC-LPC-15-PMT-02R Back Panel Mount Kit for LPC-15 Series, w/IP-65</p> <p>E1702031833R USA Power Cord</p> <p>E1702031000R EU Power Cord</p> <p>E1702031834R Japan Power Cord</p> <p>E1702031830R UK Power Cord</p> <p>E1702031831R Australia Power Cord</p> |