



## LPC-1709(STD)

17" 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-      |                                                                    |
|---------------------------|--------------------------------------------------------------------|
| Processor                 | Intel® Atom™ E3845 4-Core 1.91GHz processor                        |
| 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                 |                                                                    |
| Expansion                 | 1 x Mini PCIe Support mSATA<br>1 x Mini PCIe Supports SIM Card     |
| Storage                   |                                                                    |
| Storage                   | 1 x CompactFlash Type I/II Socket<br>1 x 2.5" Drive Bay            |
| Panel                     |                                                                    |
| LCD Size                  | 17", 4:3                                                           |
| Display Type              | SXGA                                                               |
| Resolution                | 1280x1024                                                          |
| Pixel pitch               | 0.264mm(H) x 0.264mm(V)                                            |
| Luminance                 | 350 cd/m2                                                          |
| Contrast ratio            | 800                                                                |
| Viewing angle             | 80 (U), 80 (D), 85 (L), 85 (R)                                     |
| Response time             | 30 ms                                                              |
| Backlight                 | LED                                                                |
| Touch Type                | 5 Wires resistive                                                  |
| Touch Light Transmission  | 80%                                                                |
| Touch Controller          | Onboard USB touch (EETI)                                           |
| I/O                       |                                                                    |
| USB Port                  | 1 x USB 3.0<br>1 x USB 2.0                                         |
| COM Port                  | 1 x RS-232/422/485 (BIOS)                                          |
| SATA                      | 1 x SATA II                                                        |
| Other                     | 1 x HDMI<br>1 x Knockouts for Antenna Mounting                     |
| Display                   |                                                                    |
| Graphic Chipset           | Intel® Valleyview SoC integrated Graphics<br>Supports dual display |
| Spec. & Resolution        | HDMI:Max. resolution 1920x1200@ 60Hz                               |
| Audio                     |                                                                    |
| Audio Codec               | Realtek ALC888S                                                    |
| Audio Interface           | Line-Out                                                           |
| Speaker Output            | 2 x 1W                                                             |
| Certifications            |                                                                    |
| Certification Information | CE / FCC Class B                                                   |
| Ethernet                  |                                                                    |
| LAN Chipset               | 2 x Intel® I210IT                                                  |
| Ethernet Interface        | 10/100/1000 Base-Tx GbE compatible                                 |
| LAN Port                  | 2 x RJ-45                                                          |
| Power Requirement         |                                                                    |



|                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>DC Input</b>                       | +12V ~ +26V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>DC Input Connector</b>             | Lockable DC Jack                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Power Mode</b>                     | AT/ATX (ATX is default setting)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Adapter</b>                        | Input: 100 ~ 240Vac/ 50 ~ 60Hz Output: 60W Adapter (12V @ 5A Adapter)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Mechanical &amp; Environmental</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Operating Temperature</b>          | -20°C ~ 60°C (-4°F ~ 140°F)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Storage Temperature</b>            | -30°C ~ 70°C (-22°F ~ 158°F)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Operating Humidity</b>             | 0% ~ 90% Relative Humidity, Non-condensing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Dimension (W x L x H)</b>          | 382 x 320 x 58.8 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Weight</b>                         | 5 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Software Support</b>               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>OS Information</b>                 | Win 7<br>Win 8<br>Linux                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Ordering Information</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Ordering Information</b>           | <p>LPC-1709-384-A4R<br/>Intel Atom E3845 1.91GHz CPU/ 4G DDR3L/2GLAN/COM/SPK/12~26V input/12V Adaptor</p> <p>LPC-1709-WMB-A4R<br/>Intel Atom E3845 1.91GHz CPU/ 4G DDR3L/2GLAN/COM/SPK/ Back Panel Mount/ 12~26V input/12V Adaptor</p> <p>ACC-LPC-WIFI-01R<br/>MPCIE WIFI-Kit for LPC Series(half-card) Antenna/Cable/BT4.0/802.11a/b/g/n/ac</p> <p>ACC-ARM-D1R<br/>VESA STAND, 75mm &amp; 100 mm</p> <p>ACC-ARM-D19R<br/>VESA STAND, 75mm &amp; 100 mm</p> <p>ACC-LPC-17-PMT-01R<br/>Front Panel Mount Kit for LPC-17 Series, w/o IP-65</p> <p>ACC-LPC-17-PMT-02R<br/>Back Panel Mount Kit for LPC-17 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> |

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