



LPC-1209

12" 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 1 x Mini PCIe Supports SIM Card
Storage	
Storage	1 x CompactFlash Type I/II Socket 1 x 2.5" Drive Bay
Panel	
LCD Size	12.1", 4:3
Display Type	XGA
Resolution	1024 x 768
Pixel pitch	0.240mm(H) x 0.240mm(V)
Luminance	600 cd/m2
Contrast ratio	700
Viewing angle	70 (U), 70 (D), 80 (L), 80 (R)
Response time	16 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 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	
Graphic Chipset	Intel® Valleyview SoC integrated Graphics Supports dual display
Spec. & Resolution	HDMI:Max. resolution 1920x1200@ 60Hz
Audio	
Audio Codec	Realtek ALC888S
Audio Interface	Line-Out
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	
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)	283 x 222 x 45 mm
Weight	2.84Kgs
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	Windows 7 Windows 10 Linux
Ordering Information	
Ordering Information	LPC-1209-384-B4R Intel Atom E3845 1.91GHz CPU/4G DDR3L/2GLAN/COM/12~26V input/12V Adaptor LPC-1209-WMB-B4R Intel Atom E3845 1.91GHz CPU/4G DDR3L/2GLAN/COM/Back Panel Mount/ 12~26V input/12V Adaptor ACC-LPC-WIFI-01R MPCIE WIFI-Kit for LPC Series(half-card) Antenna/Cable/BT4.0/802.11a/b/g/n/ac ACC-ARM-D22R VESA STAND, 75x75 & 100x100 mm ACC-ARM-D29R ARM A800B VESA standard 75*75 & 100*100mm ACC-LPC-12-PMT-01R Front Panel Mount Kit for LPC-12 Series, w/o IP-65 ACC-LPC-12-PMT-02R Back Panel Mount Kit for LPC-12 Series, w/IP-65 E1702031833R USA Power Cord E1702031000R EU Power Cord E1702031834R Japan Power Cord E1702031830R UK Power Cord E1702031831R Australia Power Cord

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