

# LPC-08 Series

Fanless 8" SVGA TFT  
Multifunctional Touch Panel PC



## Features

- 8" SVGA TFT Touch Panel PC
- 5-wire Resistive Touch Screen
- LPC-08A1: AMD Geode LX800 @ 0.9W 500MHz  
LPC-0803: Intel® Atom™ N270 1.6GHz CPU  
LPC-0805: Intel® Atom™ D525 Dual-Core 1.8GHz CPU
- VGA, Audio
- Dual Ethernet/ Gigabit Ethernet, Optional WiFi Module
- 1 CF, 2 COM, 2 USB (LPC-08A1)/ 4 USB (LPC-0803/05)
- Fanless & +12V Single Power Input  
Wide Range Voltage Input +10V~28V (LPC-08A1)
- VESA Compliance
- IP-65 Compliant Front Panel



## Specifications

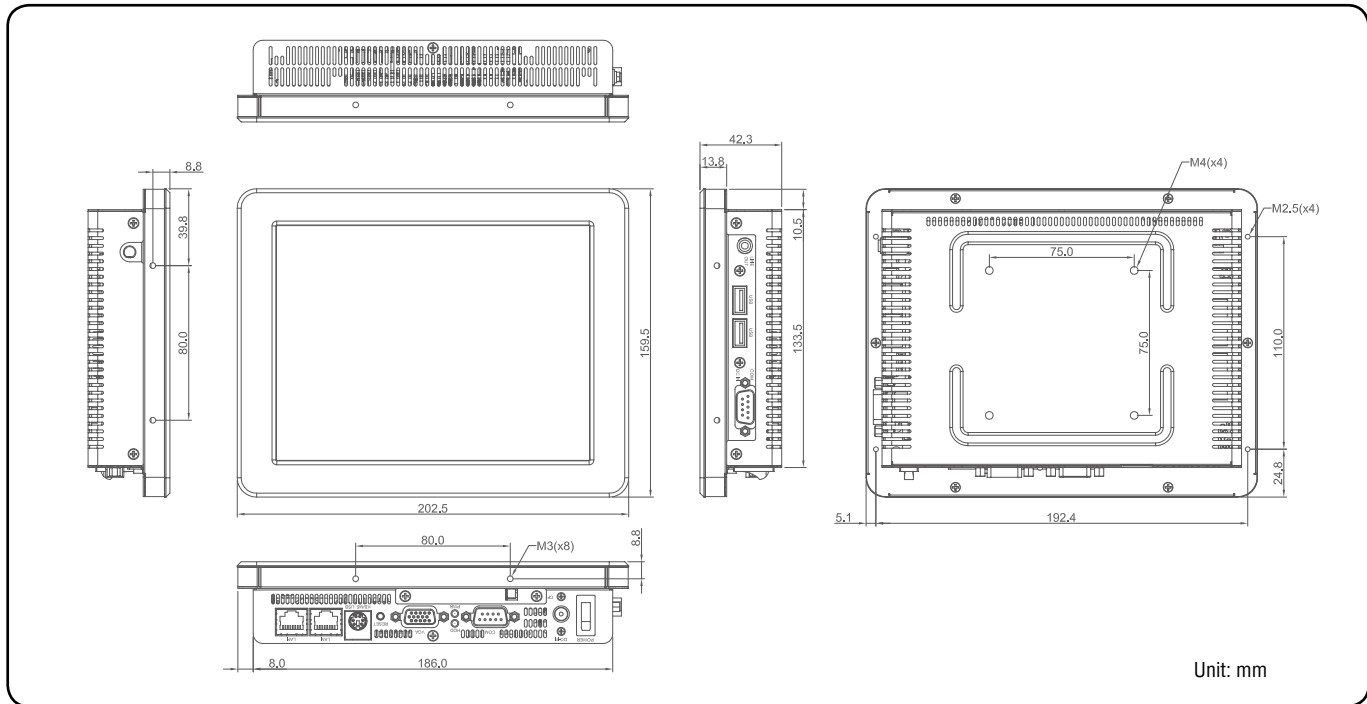
Model Name	LPC-08A1	LPC-0803	LPC-0805
• LCD Size	8"	8"	8"
• Display Type	SVGA TFT	SVGA TFT	SVGA TFT
• Resolution	800 x 600	800 x 600	800 x 600
• Pixel Pitch	0.2025mm (H) x 0.2025mm (V)	0.2025mm (H) x 0.2025mm (V)	0.2025mm (H) x 0.2025mm (V)
• Luminance	400cd/m <sup>2</sup>	400cd/m <sup>2</sup>	400cd/m <sup>2</sup>
• Contrast Ratio	400	400	400
• Viewing Angle	55 (U), 65 (D), 65 (L), 65 (R)	55 (U), 65 (D), 65 (L), 65 (R)	55 (U), 65 (D), 65 (L), 65 (R)
• Response Time	50ms	50ms	50ms
• Backlight	LED	LED	LED
• Touch Screen	5-wire Resistive	5-wire Resistive	5-wire Resistive
• Light Transmission	80%	80%	80%
• Touch Interface	USB Onboard	USB	USB Onboard
<b>System</b>			
• CPU	Onboard AMD Geode LX800 @ 0.9W 500MHz with 128K L2 Cache CPU	Intel® Atom™ N270 1.6GHz CPU	Onboard Intel® Atom™ D525 Dual-Core 1.8GHz (17W) CPU
• Cooling Method	Passive CPU Heatsink	Passive CPU Heatsink	Passive CPU Heatsink
• System Chipset	AMD Geode LX800/ CS5536	Intel® 945GSE/ ICH7-M	Intel® ICH8-M
• I/O Chip	Winbond W83627HG-AW	ITE IT8712F	Winbond W83627DHG
• System Memory	Onboard 512MB DDR Memory	One 200-pin SODIMM Socket Supports Up to 2GB DDR2 400/ 533 SDRAM	One 200-pin SODIMM Socket Supports Up to 2GB DDR3 800 SDRAM
• SSD	One Type I/II Compact Flash Card	One Type I/II Compact Flash Card	One Type I/II Compact Flash Card
• HDD	Optional One 2.5" IDE HDD w/ Shock-resistant Drive Bay	Optional One 2.5" IDE/ SATA HDD w/ Shock-resistant Drive Bay	HDD not Supported
<b>Rear Panel I/O</b>			
• Serial Port	1 x RS-232/ 422/ 485	1 x RS-232/ 422/ 485	1 x RS-232/ 422/ 485
• Ethernet	2 x RJ-45 ( Realtek RTL8101L LAN )	2 x RJ-45 ( Marvell 88E8053 Gigabit Ethernet )	1 x RJ-45 ( Intel® 82574L Gigabit Ethernet )
• WIFI	Optional USB WiFi 802.11 b/g (Occupy One USB Port)	Optional USB WiFi 802.11 b/g	Optional USB WiFi 802.11 b/g (Occupy One USB Port)
• VGA	1 x DB-15	1 x DB-15	1 x DB-15
• Audio	Line-out	Line-out	Line-out
• USB	2 x USB 2.0	4 x USB 2.0	4 x USB 2.0
• Mouse & K/B	1 x PS/2 Keyboard Connector	N/A	1 x PS/2 Keyboard Connector



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## Diagram



### Environment & Mechanical

• <b>Color</b>	Front Panel Silver; Rear Body Black
• <b>Mounting</b>	Wall Mount/ Stand; VESA 75mm x 75mm
• <b>Power Input</b>	100 ~ 250 Vdc/ 47 ~ 63Hz
• <b>Power Output</b>	+12Vdc/ 5A (60W)
• <b>Operating Temperature</b>	-10°C ~ 50°C (LPC-08A1) 0°C ~ 40°C (LPC-0803/ LPC-0805)
• <b>Storage Temperature</b>	-20°C ~ 60°C
• <b>Relative Humidity</b>	10 to 95% @ 40°C, Non-condensing
• <b>Dimension (W x D x H)</b>	202 x 159 x 43mm (w/ HDD 202 x 159 x 55mm) 202 x 159 x 45mm (LPC-0805, No HDD Support)
• <b>Weight</b>	1.35Kgs

## Ordering Information

- **LPC-08A1**  
8" SVGA TFT Touch Panel PC with AMD Geode LX800 Chipset, 5-wire Resistive Touch Panel
- **LPC-0803**  
8" SVGA TFT Touch Panel PC with Intel® 945GSE + ICH7-M Chipset, 5-wire Resistive Touch Panel
- **LPC-0805**  
8" SVGA TFT Touch Panel PC with Intel® Atom™ D525 1.8GHz CPU, 5-wire Resistive Touch Panel
- **ACC-WIFI-USB-5R**  
VNT6656G6A40-OE + PL99G26-130011 (ANTENNA)
- **ACC-ARM-D22R**  
VESA STAND, 75mm
- **ACC-ARM-D29R**  
ARM A800 VESA Standard 75 x 75 & 100 x 100mm
- **ACC-ARM-D8R**  
ARM FC8888SB VESA Standard 75 x 75 & 100 x 100mm
- **ACC-CF-XX**  
CompactFlash Card Series (xx=Capacity, Capacity Option: 128, 256, 512MB, 1, 2, 4, 8GB)

1  
LPC  
Series

2  
PPC  
Series

3  
FPC  
Series

4  
MPC  
Series

5  
SPC  
Series

6  
MTP  
Series

7  
OPC/  
LCD Kit

8  
RISC

9  
ACC