

# LPC-12 Series

Fanless 12.1" XGA TFT  
Multifunctional Touch Panel PC



## Features

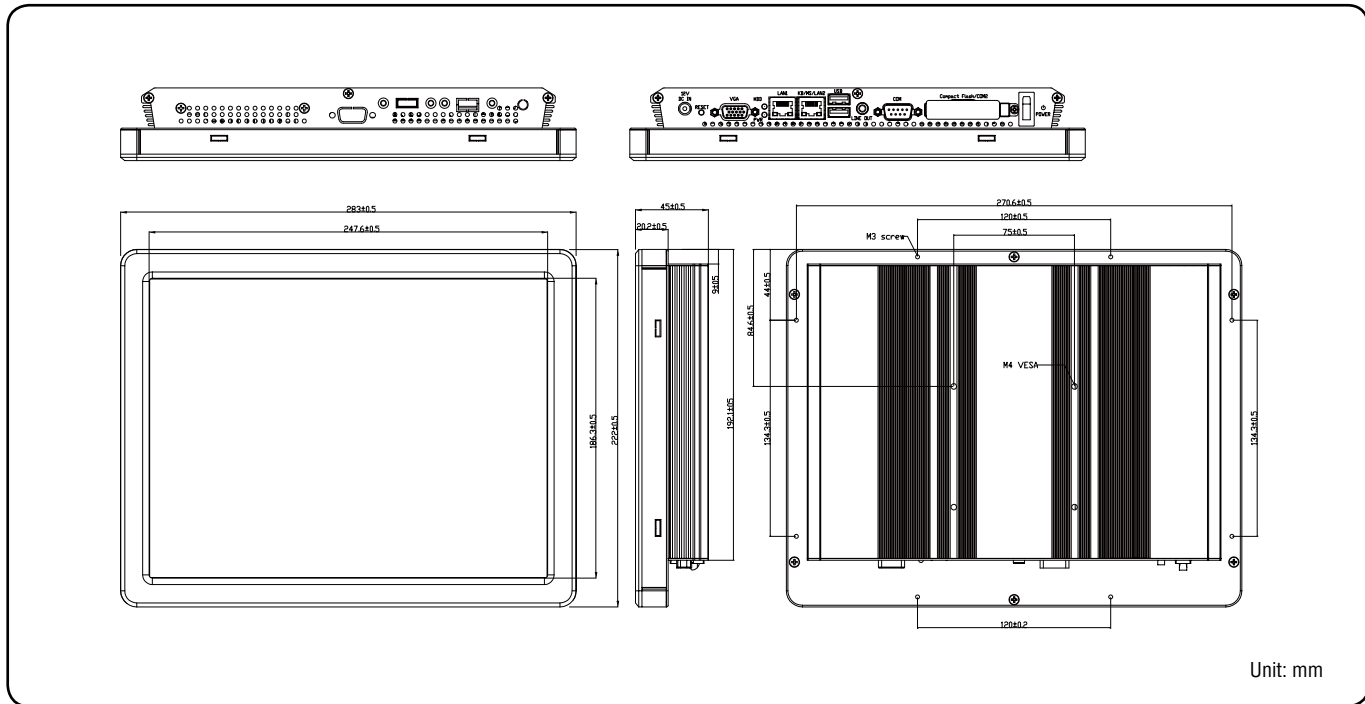
- **LPC-1205: Intel® Atom™ D525 Dual-Core 1.8GHz CPU**
- **LPC-1207: Intel® Cedarview D2700 2.13GHz CPU**
- **LPC-12A4: AMD eOntario T40E 1.0 GHz CPU**
- **VGA/ HDMI, Audio, Gigabit Ethernet**
- **1 CF, 1 COM, 2 USB**
- **Wide Voltage +12V ~ +28V Input, ErP Power**
- **Backlight Controlled by PWM**
- **IP-65 Compliant Front Panel**
- **Power-On Timer**



## Specifications

Model Name	LPC-1205	LPC-1207	LPC-12A4
• <b>LCD Size</b>	12.1", 4:3	12.1", 4:3	12.1", 4:3
• <b>Display Type</b>	XGA TFT	XGA TFT	XGA TFT
• <b>Resolution</b>	1024 x 768	1024 x 768	1024 x 768
• <b>Pixel Pitch</b>	0.240mm (H) x 0.240mm (V)	0.240mm (H) x 0.240mm (V)	0.240mm (H) x 0.240mm (V)
• <b>Luminance</b>	600cd/m <sup>2</sup>	600cd/m <sup>2</sup>	600cd/m <sup>2</sup>
• <b>Contrast Ratio</b>	700	700	700
• <b>Viewing Angle</b>	70 (U), 70 (D), 80 (L), 80 (R)	70 (U), 70 (D), 80 (L), 80 (R)	70 (U), 70 (D), 80 (L), 80 (R)
• <b>Response Time</b>	16ms	16ms	16ms
• <b>Backlight</b>	LED	LED	LED
• <b>Touch Screen</b>	5-wire Resistive	5-wire Resistive	5-wire Resistive
• <b>Light Transmission</b>	80%	80%	80%
• <b>Touch Interface</b>	USB	USB	USB
<b>System</b>			
• <b>Board</b>	EBM-PNV	EBM-CDV	EBM-A50M
• <b>CPU</b>	Onboard Intel® Atom™ D525 Dual Core 1.8GHz CPU	Onboard Intel® Atom™ Cedarview Dual-Core D2700 2.13GHz CPU	Onboard AMD eOntario T40E 1.0GHz CPU
• <b>System Chipset</b>	Intel® ICH8-M	Intel® NM10 Chipset	AMD A50M Chipset
• <b>I/O Chip</b>	Nuvoton W83627DHG-P	E/C IT8518E	Nuvoton W83627DHG-P
• <b>System Memory</b>	Onboard 1GB SDRAM and One 204-pin SODIMM Supports Up to 3GB DDR3 800MHz SDRAM	One 204-pin SODIMM Supports Up to 4GB DDR3 1066MHz SDRAM	Onboard 2GB 1066MHz DDR3 and One 204-pin SODIMM Supports Up to 4GB DDR3 1066MHz
• <b>SSD</b>	One CF Socket by IDE Secondary Slave Channel Supports Type I/II Compact Flash Card	One CF Socket by IDE Secondary Slave Channel Supports Type I/II Compact Flash Card	One CF Socket by IDE Secondary Slave Channel Supports Type I/II Compact Flash Card
• <b>Hard Driver Bay</b>	One 2.5" SATA HDD	One 2.5" SATA HDD	One 2.5" SATA HDD
• <b>Watchdog Timer</b>	Reset: 1sec. ~ 255min. and 1sec. or 1min./step	Reset: 1sec. ~ 255min. and 1sec. or 1min./step	Reset: 1sec. ~ 255min. and 1sec. or 1min./step
• <b>H/ W Status Monitor</b>	Monitoring System Temperature, Voltage, and Cooling Fan Status with Auto Throttling Control	Monitoring System Temperature, Voltage, and Cooling Fan Status with Auto Throttling Control	Monitoring System Temperature, Voltage, and Cooling Fan Status with Auto Throttling Control
• <b>Expansion</b>	2 x Mini PCIe Slot	1 x Mini PCIe Slot, Optional Supports mSATA	2 x Mini PCIe Slot, Optional Supports mSATA
<b>Rear Panel I/O</b>			
• <b>Serial Port</b>	1 x RS-232/422/485 (Optional 2nd COM)	1 x RS-232/422/485 (Optional 2nd COM)	1 x RS-232/422/485 (Optional 2nd COM)
• <b>Ethernet</b>	1 x RJ-45 (Intel® 82574L Gigabit Ethernet, Optional Dual 82574L Gigabit Ethernet)	1 x RJ-45 (Intel® 82574L Gigabit Ethernet, Optional Dual 82574L Gigabit Ethernet)	2 x RJ-45 (Dual Realtek RTL8111E Gigabit Ethernet)
• <b>VGA</b>	1 x DB-15	1 x HDMI	1 x HDMI
• <b>Audio</b>	Line-out (Realtek ALC888 Supports 5.1-CH Audio)	Line-out (Realtek ALC892 Supports 5.1-CH Audio)	Line-out (Realtek ALC892 Supports 5.1-CH Audio)
• <b>USB</b>	2 x USB 2.0 (Optional Extra 2 x USB)	2 x USB 2.0 (Optional Extra 2 x USB)	2 x USB 2.0 (Optional Extra 2 x USB)
• <b>Mouse &amp; K/B</b>	1 x PS/2 KB & MS	1 x PS/2 KB & MS	N/A

## Diagram



### Environment & Mechanical

- **Color** Front Silver & Rear Panel Black
- **Mounting** Wall/ Stand/ VESA 75mm x 75mm
- **System Power Requirement** +12 ~ 28V DC Power Input
- **Power Adapter** Input: 100 ~ 250VAC/ 47 ~ 63Hz  
Output: 60W Adapter (12V @ 5A Adapter)
- **Operating Temperature** 0°C ~ 40°C (32°F ~ 104°F)
- **Storage Temperature** -20°C ~ 60°C (-4°F ~ 140°F)
- **Relative Humidity** 5% ~ 90% Relative Humidity, Non-condensing
- **Dimensions (W x D x H)** 283mm x 222mm x 45mm
- **Weight** 2.84Kgs

1  
LPC  
Series

2  
APC  
Series

3  
PPC  
Series

4  
FPC  
Series

5  
MPC  
Series

6  
OPM  
Series

7  
SPC  
Series

8  
MTP  
Series

9  
RISC  
Series

10  
ACC

## Ordering Information

- **LPC-1205**  
12.1" XGA TFT Panel PC with Intel® Atom™ D525 1.8GHz CPU
- **LPC-1207**  
12.1" XGA TFT Panel PC with Intel® Cedarview D2700 2.13GHz CPU
- **LPC-12A4**  
12.1" XGA TFT Panel PC with AMD eOntario T40E Dual Core 1.0GHz CPU
- **ACC-ARM-D22R**  
VESA Desk Stand, 75mm
- **ACC-ARM-D29R**  
ARM A800B VESA Wall Mount 75 x 75 & 100 x 100mm
- **ACC-LPC-WiFiUSB-3R**  
USB WiFi 802.11 b/g/n Module w/ Antenna, Cable