

LPC-12 Series

Fanless 12.1" XGA TFT
Multifunctional Touch Panel PC



Features

- 12.1" XGA TFT Touch Panel PC
- 5-wire Resistive Touch Screen
- LPC-1203: Intel® Atom™ N270 1.6GHz CPU
LPC-1205: Intel® Atom™ D525 Dual-Core 1.8GHz CPU
- VGA, Audio
- Gigabit Ethernet, Optional WiFi Module
- 1 CF, 1 COM, 2 USB
- Fanless & +12V Single Power Input
Wide Range Voltage Input +12V ~ 28V (LPC-1205)
- VESA Compliance
- IP-65 Compliant Front Panel
- CE/ FCC Class B, UL



Specifications

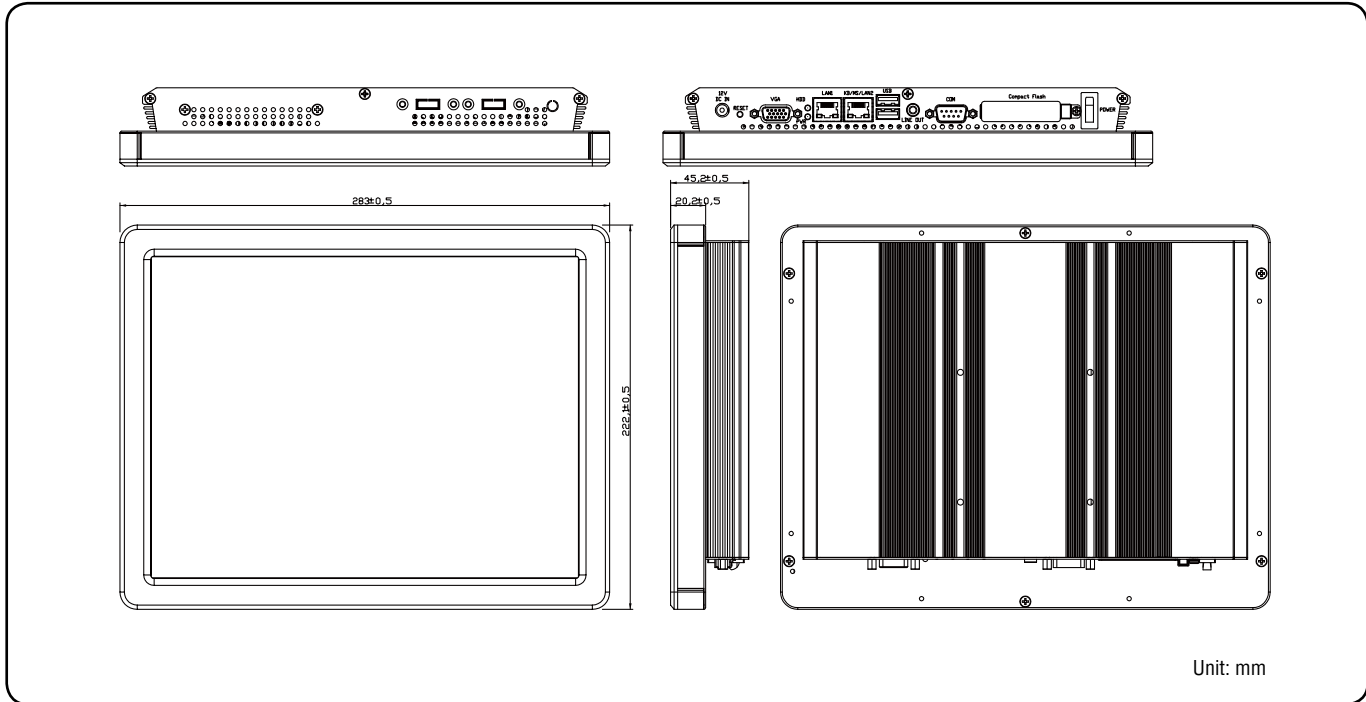
Model Name	LPC-1203	LPC-1205
• LCD Size	12.1", 4:3	12.1", 4:3
• Display Type	XGA TFT	XGA TFT
• Resolution	1024 x 768	1024 x 768
• Pixel Pitch	0.240mm (H) x 0.240mm (V)	0.240mm (H) x 0.240mm (V)
• Luminance	600cd/m ²	600cd/m ²
• Contrast Ratio	700	700
• Viewing Angle	70 (U), 70 (D), 80 (L), 80 (R)	70 (U), 70 (D), 80 (L), 80 (R)
• Response Time	16ms	16ms
• Backlight	LED	LED
• Touch Screen	5-wire Resistive	5-wire Resistive
• Light Transmission	80%	80%
• Touch Interface	USB	USB
System		
• CPU	Onboard Intel® Atom™ N270 1.6GHz (2.5W), Optional 330 Dual Core (8W)	Onboard Intel® Atom™ D525 Dual-Core 1.8GHz (17W) CPU
• System Chipset	Intel® 945GSE/ ICH7-M	Intel® ICH8-M
• I/O Chip	ITE IT8712F	Winbond W83627DHG
• System Memory	Onboard 1GB DDR2 and One 200-pin DDR2 SODIMM Supports Up to 2GB DDR2 400/533 (1GB Per Bank)	Onboard 1GB SDRAM and One SODIMM Supports Up to 3GB
• SSD	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
• Hard Drive Bay	One 2.5" SATA HDD or Optional 44-pin Enhanced IDE HDD	One 2.5" SATA HDD
• Watchdog Timer	Reset: 1 sec. ~ 255min. and 1sec. or 1min./step	Reset: 1 sec. ~ 255min. and 1sec. or 1min./step
• H/W Status Monitor	Monitoring System Temperature, Voltage, with Auto Throttling Control	Monitoring System Temperature, Voltage, with Auto Throttling Control
• Expansion	1 x Mini PCI Slot, Optional 1 x Mini PCIe	2 x Mini PCIe Slot
Rear I/O		
• Serial Port	1 x RS-232	1 x RS-232
• Ethernet	2 x RJ-45 (Marvell 88E8053 Gigabit Ethernet)	1 x RJ-45 (Intel® 82574L Gigabit Ethernet)
• VGA	1 x DB-15	1 x DB-15
• Audio	Line-out (Realtek ALC655 Supports 5.1-CH Audio)	Line-out (Realtek ALC888 Supports 5.1-CH Audio)
• USB	2 x USB 2.0	2 x USB 2.0
• Mouse & K/B	N/A	1 x PS/2 KB & MS
• Certification	CE/ FCC Class B, UL	CE/ FCC Class B, UL



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Diagram



Environment & Mechanical

- **Color** Front Silver & Rear Panel Black
- **Mounting** Wall/ Stand/ VESA 75mm x 75mm
- **Power Input** 100 ~ 250 Vdc/ 47 ~ 63Hz
- **Power Output** +12Vdc/ 5A (60W)
- **Power Type** AT/ ATX
- **Operating Temperature** -10°C ~ 60°C (LPC-1203)
0°C ~ 40°C (LPC-1205)
- **Storage Temperature** -20°C ~ 75°C (-4°F ~ 167°F)
- **Relative Humidity** 5% ~ 90% Relative Humidity, Non-condensing
- **Dimension (W x D x H)** 283mm x 222mm x 45mm
- **Weight** 2.84Kgs

Ordering Information

- **LPC-1203**
12.1" XGA TFT Panel PC with Intel® Atom™ N270 1.6GHz CPU
- **LPC-1205**
12.1" XGA TFT Panel PC with Intel® Atom™ D525 1.8GHz CPU
- **ACC-ARM-D22R**
VESA STAND, 75 x 75 & 100 x 100mm
- **ACC-ARM-D29R**
ARM A800 VESA Standard 75 x 75 & 100 x 100mm
- **ACC-LPC-WIFIUSB-1R**
802.11b/g VT665 USB Module/ Antenna/ Cable

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