



## Features

- 8" WSVGA TFT Touch Panel PC
- 5-wire Resistive Touch Screen
- Onboard AMD LX800 500MHz BGA Processor
- VGA, Audio, Dual Ethernet
- 1 x CF, 2 x COM, 2 x USB
- Fanless, VESA Compliance
- IP-65 Compliant Front Panel
- Wide Range Voltage Input +10V ~ +24V

CH3

Applied Panel PC-FPC Series



## Specifications

### Panel

|                                 |                                |
|---------------------------------|--------------------------------|
| <b>LCD Size</b>                 | 8"                             |
| <b>Display Type</b>             | WSVGA                          |
| <b>Resolution</b>               | 1024 x 600                     |
| <b>Pixel pitch</b>              | 0.1725 mm (W) x 0.1656 mm (H)  |
| <b>Luminance</b>                | 500 cd/m <sup>2</sup>          |
| <b>Contrast ratio</b>           | 700                            |
| <b>Viewing angle</b>            | 70 (U), 75 (D), 75 (L), 75 (R) |
| <b>Response time</b>            | 20 ms                          |
| <b>Backlight</b>                | LED                            |
| <b>Touch Type</b>               | 5 Wires resistive              |
| <b>Touch Light Transmission</b> | 80%                            |

### System

|                       |                                                  |
|-----------------------|--------------------------------------------------|
| <b>SBC</b>            | ECM-LX800D                                       |
| <b>Processor</b>      | AMD LX800 1-Core 500MHz                          |
| <b>System Chipset</b> | AMD Geode LX800/CS5536                           |
| <b>I/O Chipset</b>    | Winbond W83627HG-AW                              |
| <b>System Memory</b>  | 1 x Onboard DDR 256MB                            |
| <b>Watchdog Timer</b> | H/W Reset: 1sec.~255min. and 1sec. or 1min./step |

### Expansion & Storage

|                |                                   |
|----------------|-----------------------------------|
| <b>Storage</b> | 1 x CompactFlash Type I/II Socket |
|----------------|-----------------------------------|

### I/O

|                 |                                  |
|-----------------|----------------------------------|
| <b>USB</b>      | 2 x USB 2.0                      |
| <b>COM Port</b> | 1 x RS-232/422/485<br>1 x RS-232 |

### Audio

|                        |                              |
|------------------------|------------------------------|
| <b>Chipset</b>         | Realtek ALC203, Support 2-CH |
| <b>Audio Interface</b> | Mic-In and Line-Out          |

### Ethernet

|                           |                                    |
|---------------------------|------------------------------------|
| <b>Chipset</b>            | 2 x Realtek 8101L                  |
| <b>Ethernet Interface</b> | 10/100/1000 Base-Tx GbE compatible |
| <b>LAN Port</b>           | 2 x RJ-45                          |

### Power Requirement

|                          |                                                                                            |
|--------------------------|--------------------------------------------------------------------------------------------|
| <b>Power Requirement</b> | +10V ~ +24V                                                                                |
| <b>Power Type</b>        | AT/ATX (ATX is default setting)                                                            |
| <b>Adapter</b>           | Input: 100 ~ 240Vdc/ 50 ~ 60Hz;<br>Output: 60W Adapter (12V @ 5A Adapter)<br>AC-DC Adapter |

### Mechanical & Environmental

|                              |                                                                            |
|------------------------------|----------------------------------------------------------------------------|
| <b>System Fan</b>            | Fanless                                                                    |
| <b>Construction - Front</b>  | Metal                                                                      |
| <b>Construction - Rear</b>   | Aluminum + Metal                                                           |
| <b>Dimension</b>             | 225 x 129 x 40.4 mm                                                        |
| <b>Weight</b>                | 1.26 Kgs                                                                   |
| <b>Operating Temperature</b> | 0°C ~ 40°C (32°F ~ 104°F)                                                  |
| <b>Storage Temperature</b>   | -10°C ~ 50°C (14°F ~ 122°F)                                                |
| <b>Operating Humidity</b>    | 0% ~ 90% Relative Humidity, Non-condensing                                 |
| <b>Vibration Test</b>        | With SSD/mSATA : 1.5Grms, IEC 60068-2-64,<br>Random, 5 ~ 500Hz, 30min/axis |
| <b>Shock Test</b>            | With CF/SSD : 10Grms, IEC 60068-2-27, Half Sine, 11ms                      |

### Certifications & Software Support

|                       |                          |
|-----------------------|--------------------------|
| <b>Certification</b>  | CE                       |
| <b>Information</b>    | FCC Class A              |
| <b>OS Information</b> | Win XP, Win 2000, Win CE |

## Ordering Information

FPC-08W21-A0100-1R

8" WSVGA ECM-LX800D w/512MB

ACC-WIFI-USB-14R

USB WIFI 802.11b/g/n for FPC-08W21 Series

ACC-FPC-WALLMT-02R

Wall Mount Bracket Kit for FPC-08W

ACC-ARM-D22R

VESA STAND, 75x75 & 100x100 mm