

# Touch Panel PC LIF1521

Fanless Touch Panel Computer with 15" TFT LCD and Intel® Atom™ D2550 1.86GHz onboard + Intel® NM10



- 15" XGA (1024 x 768) touch panel computer
- Fanless design with Intel® Atom™ D2550 1.86GHz onboard
- Multi display:VGA, DVI
- Interface with 2 x COM, 4 x USB and Audio
- 1 anti-remove USB Port at back with cover
- Expansion slot 1 x mPCIe
- 2 x RJ45 for Ethernet connection
- VESA Mounting
- 9 ~24V wide voltage DC-in design
- Optional 100~240 AC power input
- Extended operating temperature -30°C~60°C

## Introduction

LIF1521 is a fanless touch panel PC, design with Intel® Atom™ D2550 CPU soldered onboard. Processor D2550 supports dual core 1.86 GHz, presenting only 10W extremely low power consumption with high performance. With its main feature 4 USB ports, 2 COM ports (1 x RS232/422/485, 1 x RS232), 2 RJ45 Ethernet, and SSD storage compatible with mini PCIe Card. Extended temperature operation from -30 to +60°C ensures unbeatable reliability and LIF1521 support 9 – 24V wide voltage DC-in or 100-240V wide voltage AC-in, both can protect the board from damages caused by sudden surge of voltage, make it can be used different applications.

### Thermal Solution

Perfectron ensures that the computer systems we develop remain stable even in high temperature environments. Our experts create system designs that use efficient thermal solutions.

### Anti-remove USB Port at back with cover

Proving a secure space for USB that avoid unexpected remove and better resistance for dust, LIF1521 with anti-remove USB Port on the back side of chassis, the USB 2.0 Port can be closed with its cover by screws.





## Specification

| System                      |   |
|-----------------------------|---|
| CPU Type                    | Intel® Atom™ D2550 1.86GHz onboard                |
| Chipset                     | Intel® NM10 Express Chipset (Intel® CG82NM10 PCH) |
| Memory Type                 | 2 x 204-pin SO-DIMM DDR3 800/1066 MHz up to 4GB   |
| Storage Type                | 1 x Mini PCIe Card                                |
| Display Type                | Intel® PowerVR SGX545 Graphic core                |
| Rear I/O                    | 2 x LAN   |
|                             | 4 x RJ45  |
|                             | 1xVGA, DVI-D                                      |
|                             | 2x COM  |
|                             | Audio Line-out, Mic-in                            |
|                             | 4x USB  |
| Internal I/O                | 1 x USB (with cover)                              |
| Power Type                  | 9~24V DC in<br>Optional 100~240VAC @50-60Hz       |
| Form Factor                 | Mini-ITX Industrial MB                            |
| Dimension                   | 400x325x82mm                                      |
| Operating Temp.             | -30~60°C  |
| Environmental Certification | CE/FCC Compliant                                  |
| LCD Display                 |   |
| Size                        | 15.0"   |
| Resolution                  | 1024 x 768 XGA                                    |
| Contrast Ratio              | 700:1 (typ.)                                      |
| Brightness                  | 250 cd/m <sup>2</sup>                             |
| Viewing Angle v/h           | 160°/140°   |
| Touch                       |   |
| Touch Type                  | 15" 5-wire resistive                              |