PERFECTRON

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.
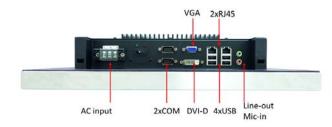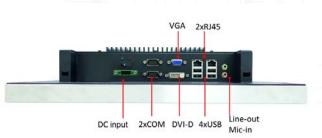
Thermal Solution

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 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/m²
Viewing Angle v/h	160°/140'°
Touch	
Touch Type	15" 5-wire resistive