PEDA-S1530

15" 5-wire Resistive Touch and Modularized Fan-free Panel PC with 1xPCIe Expansion Support Powered by Intel® Haswell ULT SoC Processors

Introduction

Portwell's PEDA Touch Panel PC sets a new standard for solutions in panel system. By adopting Intel® Haswell ULT SoC processors, the system provides great computing power while remain not only low power consumption but also value-optimized pricing. Equipped with a 15" 5-wire resistive touch and a high resolution, high brightness screen, PEDA-S1530 can create excellent users' experience. Perfect thermal dissipation and a truly rugged chassis with an IP65 aluminum bezel allows the system to operate in harsh industrial environments; also, thanks to plentiful expansion modules and I/O interfaces, it can be used for a variety of purposes. In conclusion, PEDA-S1530 is a well-integrated and flexible system working reliably even in extreme conditions, making it an ideal platform for machine control system, factory automation, indoor/outdoor POS, etc.

Specification

Display	
LCD Size	15"
Resolution	XGA 1024 x 768
Brightness	400 cd/m^2
Contrast Ratio	700:1
Backlight	LED type
Touch Window	Full Flat 5-Wire Resistive Single Touch (P-CAP Touch by project)
System	
SOC	Intel® Celeron™ 2980U & Intel® Core™ i5-4300U
Memory	SO-DIMM 1333-1600 MHz max up to 16GB
BIOS	AMI
Graphics	Intel® HD Graphics 4400
LVDS	Single/Dual Channel 24-bit
LAN Chipset	Intel® WG1210AT Gigabit Ethernet Intel® WG1218LM Gigabit Ethernet (Support iAMT)
Audio	Realtek High Definition Audio
Watchdog Timer	1~255 levels reset
Storage Device	2.5" SATA HDD / SSD, mSATA device, CFEX up to 128GB
OS	Windows 7 / Windows 8 / Linux™
I/O Interface	
Series Port	3 x RS-232 ports, 1 x RS-232/422/485
Display	1 x HDMI port, 1 x Display Port
USB	2 x USB 2.0, 2 x USB 3.0
Ethernet	2 x Gigabit Ethernet
Others	2 x SMA Antenna hole for WiFi/3G Solution
Expansion	1 x Half size PCIe expansion slot, 1x Full size Mini PCIe socket, 1x Half size Mini PCIe socket with mSATA support
Mechanical	
Mounting (mm)	VESA Mount 100 x 100 ; Panel Mount
Weight (Kg)(N)	8 kg
Weight (Kg)(G)	11.4 kg
Dimension	367 x 312 x 118.6 mm
Power	
Power Supply	1 x DC 12 ~ 24V input by lockable DC Jack 1 x DC 12 ~ 24V input with 3-pin Terminal Block Connector
Power Consumption	Working without PCIe card: 53 W (Max); Idle: 32 W; Sleep: 2 W
Power Adaptor	12V, 5A/60W(Optional) & 12V,7.5A/ 90W(Optional)
Environmental	
OP /Storage Temp	0~50 ℃ / -20~60℃ (20~90% non-condensing)
Vibration	1.0G (CFEX) and 0.5G (HDD) , Power on & 2.16G, Packaged：5~500Hz
Shock	15G peak acceleration, 11 ms (Power on condition)
Drop	Package with Carton from 96.5 cm (1-Corner, 3-Axis, 6-Face)
Front Panel Protection	IP65 (Front) / IP20 (Rear) (IEC 60529 Edition 2.1 Standard)

Front View & Rear I/O

Features

- Options for different Panel Size
- True Flat 5-wire resistive Touch (P-CAP Touch by project)
- Multiple Storage support with 2.5" HDD, CFEX, and mSATA device
- Flexible PCIe Expansion module
- Rich I/O for versatile applications
- Support Panel mount and VESA mount 100x100
- Dual Power Input with wide DC range (12~24V)
- Wide Operating temperature (0~50℃)
- Rugged Aluminum front bezel and Fan-free design
- IP65 (front)/ IP20 (rear)/ CF &FCC Class A

Outline Dimension

All product specifications are subjected to change without notice.