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| --- | --- | --- |
| **PPC-6150** | **15" Panel PC with Intel® Core™ i3 / i5 /** |  |
| **Celeron® Processor** |  |



**Features**

**** Intel®Core™ i3, i5, Celeron 1020E + Intel QM77 PCH **** 1X DDR3/DDR3L SODIMM supports to 8 GB

**** Multiple expansion slots including one PCIe x4, one PCI + one PCIe x1, twoPCI (optional) and two PCIe x1 (optional)

**** Optional second HDD, supports Intel RAID

**** One isolated RS-232/422/485 port; (selectable in by BIOS)

**** One GPIO/RS-232 (8 channels, TTL level); (by swapping pin header)

**** Dual GbE, supports Intel AMT8.0

**** Supports iManager, SUSIAccess and Embedded Software APIs



**Introduction**

The PPC-6150 is a Panel PC with an Intel® Core™ i3/i5 or Celeron® processor, and a 15" color TFT LCD panel. It features extremely high computing power, modular design, excellent connectivity, and can support virtually any application. In addition, its user-friendly interface makes it a great host for information appliances. Two expansion slots, dual hard drives supporting Intel® RAID, and one isolated RS-232/422/485 port make the PPC-6150 highly reliable, and provide a great solution for a wide range of applications.

**Specifications**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | CPU | Intel® Core i5-3610ME | Intel® Core i3-3120ME | Intel® Celeron 1020E |  |
|  | Cores | Dual Core | Dual Core | Dual Core |  |
|  | Frequency | 2.7 GHz | 2.4 GHz | 2.2 GHz |  |
|  | L3 Cache | 3 MB | 3 MB | 2 MB |  |
|  | Chipset | QM77 |  |  |  |
|  | Memory | 1 x SO-DIMM, DDR3 1600/DDR3L 1333, Max 8 GB |  |  |
|  |  | 1 x 2.5" SATA Bay |  |  |  |
|  | Storage | Either one: |  |  |  |
|  | Second 2.5" SATA bay (Intel RAID supported, optional) |  |  |
|  |  |  |  |
|  |  | Slim type 8X or above DVD +/- RW (optional) |  |  |
|  | Network (LAN) | 2 x 10/100/1000 Mbps Ethernet (GbE1- Intel 82579LM, GbE2 – Intel 82583V),Intel AMT supported |  |
| **Processor System** |  | 4 x Serial ports: 1 x isolated RS-232/422/485, 3 x RS-232 |  |  |
|  | 1 x GPIO/RS-232 (8 channels, TTL level); by pin header |  |  |
|  |  |  |  |
|  | I/O ports | 3 x USB 3.0, 2 x USB 2.0 |  |  |  |
|  | 1 x VGA |  |  |  |
|  |  |  |  |  |
|  |  | 1 x HDMI |  |  |  |
|  |  | 1 x Line-out,1 x Mic-in |  |  |  |
|  |  | 1 x PCI + 1x PCIe x1 (default) |  |  |  |
|  |  | 1 x PCIe x4 (in the accessory box) |  |  |  |
|  | Expansion | 2 x PCIe x1 (optional) |  |  |  |
|  | 2 x PCI (optional) |  |  |  |
|  |  |  |  |  |
|  |  | 1 x Full-size Mini PCIe (Supports mSATA) |  |  |
|  |  | 1 x half-size Mini PCIe |  |  |  |
|  | Speaker | 2 x 1W |  |  |  |
|  | Fan | 2 x 12V 60x60x13mm with smart fan control, (70,000 hours continuous test @ 40° C) |  |
| **Physical Characteristics** | Dimensions | 395.5 x 316.8 x 105.5mm (15.6" x 12.5" x 4.15") |  |  |
| Weight | 6.5 Kg (14.32lb) |  |  |  |
|  |  |  |  |
| **OS Support** | OS Support | Microsoft® Windows XPE/Windows XP Pro/WES7 32bit&64bit/Windows 7 32bit&64bit/ Windows 8.1 32bit&64bit/ |  |
| Linux |  |  |  |
|  |  |  |  |  |
|  | Output Rating | 150 W (max.) |  |  |  |
| **Power Consumption** | Input Voltage | 100 - 240 Vac, 50/60Hz, 4-2A |  |  |  |
|  | 61W with i5-3610ME |  |  |  |
|  | Power Consumption | 50W with i3-3120ME |  |  |  |
|  |  | (Burn-in test 7.0 in Windows 7 32 bit) |  |  |  |
|  | Display Type | 15" TFT LED Panel |  |  |  |
|  | Max. Resolution | 1024 x 768 |  |  |  |
| **LCD Display** | Viewing Angle | 80 (left), 80 (right), 70 (up), 70 (down) |  |  |  |
| Luminance (cd/m2) | 400 |  |  |  |
|  |  |  |  |
|  | Contrast Ratio | 700 |  |  |  |
|  | Backlight Lifetime | 50,000 hrs min. |  |  |  |



**Panel PCs**

All product specifications are subject to change without notice. Last updated :16-Jun-2017

**PPC-6150**

**Dimensions**

379.0



|  |
| --- |
| 012. 523. |

105.5  395.5



|  |  |
| --- | --- |
| 300.0 | 8316. |

Max. depth for VESA mounting screws is 7.5 (mm)



|  |  |  |
| --- | --- | --- |
|  | 100.0 |  |
|  | 75.0 |  |
| 100.0 | 75.0 | 302 |
| 883. | 96.3 |  |

**Cut-Out dimension: 381 x 302 mm**

Unit: mm

381



**CUT**

**OUT**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Touch Type | Analog Resistive 5-wire |  |
| **Touchscreen** | Light Transmission | 80+/-3% |  |
| Controller | RS-232 interface (COM5), USB interface is available as an option |  |
|  |  |
|  | Durability (Touches) | 36 million |  |
|  | Operating Temperature | 0 ~ 50°C (32 ~ 122°F) |  |
|  | Storage Temperature | -40 ~ 60°C (-40 ~ 140°F) |  |
|  | Relative Humidity | 10 ~ 95% @ 40°C (non-condensing) |  |
| **Environment** | Shock | Operating 10 G peak acceleration (11 ms duration), follow IEC 60068-2-27 |  |
| Vibration | Operating Random Vibration Test 5 ~ 500Hz, 1Grms @with HDD, follow IEC 60068-2-64 |  |
|  |  |
|  | EMC | CE, FCC Class A, BSMI |  |
|  | Safety | CB, UL,CCC, BSMI |  |
|  | Front Panel Protection | IP65 compliant |  |

**Ordering Information**

|  |  |  |
| --- | --- | --- |
| **Part No.** | **Description** |  |
| PPC-6150-Ri5AE | Intel Core i5-3610ME (2.7G) Panel PC with 15" XGA LED |  |
| backlight and 5-wire resistive T/S, w/o memory |  |
|  |  |
| PPC-6150-Ri3AE | Intel Core i3-3120ME (2.4G) Panel PC with 15" XGA LED |  |
| backlight and 5-wire resistive T/S, w/o memory |  |
|  |  |
| PPC-6150-RC10AE | Intel Celeron 1020E (2.2G) Panel PC with 15" XGA LED |  |
| backlight and 5-wire resistive T/S, w/o memory |  |
|  |  |
| PPC-WLAN-B1E | WiFi Module with Antenna Cable 40cm for PPC |  |
| 989K091800E | Two PCI slots for PPC-6150/6170 |  |
| 989K091700E | Two PCIe x1 slots for PPC-6150/6170 |  |
| 98R3615000E | Second 2.5" SATA HDD/SSD Module for PPC-6150/6170 |  |
| PPC-6150-DVDE | Module with 8X SATA DVD-RW for PPC-6150/PPC-6170 |  |
| PPC-174T-WL-MTE | Wall mount kit for PPC series |  |
| PPC-ARM-A03 | PPC ARM VESA Standard |  |
| PPC-Stand-A1E | Stand for PPC series |  |
| 1702002605 | Power cord 90D 220V EUROPEAN 250V/6A, 1.8M |  |
| 1702002600 | Power cord UL/CSA (USA) 180D 125V/10A 1.83M |  |
| 96CB-POWER-B-1.8M1 | POWER CORD for China 1.8M |  |
| 1700019336 | Cable for an external 25-pin LPT port |  |
| 2070013299 | WES7P PPC-6150/70 32-bits V5.1.6 10multi-languages |  |
| with SUSI Access |  |
|  |  |
| 2070013328 | WES7P PPC-6150/70 64-bits V5.6.6 10multi-languages |  |
| with SUSI Access |  |
|  |  |
| 2070012935 | WES2009 PPC-6150/6170 x32 V4.0 Eng/Cht |  |
| 98R3415010E | 98 Level For 9663415010E Front USB Cable 100cm |  |
| 98R3612000E | mSATA/CFast to USB card reader |  |

**I/O Placement**

A B C D E F G



K L K J I H

|  |  |
| --- | --- |
| A: AC Inlet | G: 2 Expansion slots |
| B: Power Switch | H: Line-out/Mic-in |
| C: USB 3.0 x 2, USB 2.0 x 2 | I: USB 3.0 x 1 |
| D: HDMI | J: GPIO / RS-232 (by swapping pin header) |
| E: VGA | K: RS-232 x 3 |
| F: Gigabit Ethernet x 2 | L: Isolated RS-232/422/485 (selecting by BIOS) |

**Online Download** www.advantech.com/products