

Embedded industrial Panel PC HPC-1512



- Support for Intel ® 8th generation Whiskeylake&10th generation Cometlake U processor
- Supports SO-DIMM, M-SATA, M.2 Sata, M.2 NVME storage
- Standard 15 inch high-definition display screen, resistive touch screen, supporting dual display
- Standard dual network ports, some configurations support Intel encryption TPM2.0, and support 8 * GPIO
- Supports 1 * MINI-PCIE (for WIFI), 1 * SIM, and supports 3G, 4G, and 5G modules
- Supports VESA bracket installation, wall mounted and desktop mounted
- 9-24V wide voltage power supply, with a wind free design, patented industrial design, and elegant appearance
- Panel protection level: IP65 waterproof and dustproof
- ESD Protection: ±6kV (Contact), ± 12kV (Air)
- Working temperature: -10°C~60C
- Support ODM/OEM customization
- Warranty :3 years
- The product can be widely used in industries such as MES, store displays, self-service terminals etc



Specification Parameter

| | | | | | |
|------------------|---------------------------------------|---------------------------|--|------------------|--------------------------|
| Product Model | Embedded industrial Panel PC HPC-1512 | Pilot lamp | Reserved power status indicator light under the screen | Dimensions | 351x275x60mm |
| Display | 15 | Trumpet | 2 x 4 Ω 3W | Weight | < 3.8kg |
| Touch Screen | Resistive Touch Screen | Heat dissipation | NO FAN | Product colour | Space Gray |
| Resolution Ratio | 1024*768 | Overall Power Consumption | <25W (screen 7.4W) | Chassis material | Aluminum alloy structure |
| Luminance | 300cd/m ² | Installation Method | Compatible with embedded, wall mounted, and desktop versions | | |

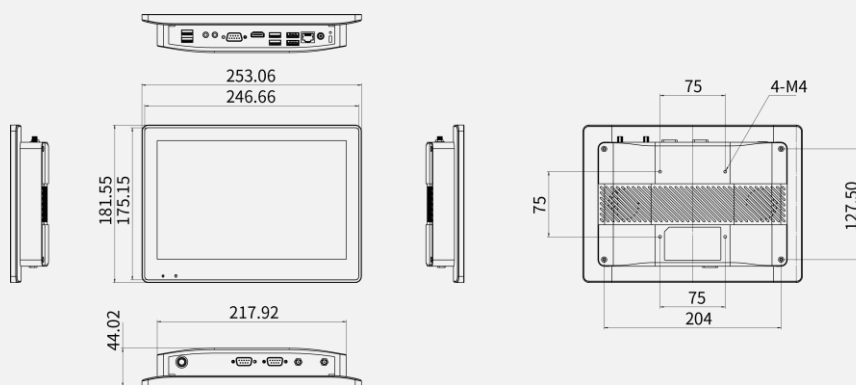
| | | |
|------------|---|--|
| Processor | Intel Whiskey Lake series i3/ i5/ i7 Processor | |
| BIOS | AMI (256M) | |
| Chipset | Intel® SOC | |
| Display | Intel® UHD Graphics | |
| Network | Intel i226-AT + I219-LM | |
| Audio | HS-100B | |
| Memory | DDR4 2400MHz Max 32G | |
| Hard drive | M. 2 2280 NVME128GB, Scalable SATA 3.0 2.5-inch HDD | |
| Functions | Support WiFi, Bluetooth, 3G/4G/5G modules, diskless startup, wake-on-LAN, power on and power on | |
| Front I/O | 1 * Power on button (LED) 2*LED (HDD&WiFi) 1 * SW, 2 pin Phoenix terminal 1*Mic_in 1*Line_out 2 * USB2.0 interface 1 * SIM card slot 2 * RS232+8-way GPIO or maximum 16 way GPIO interface 2 * Antenna | Rear I/O 2 * LAN interface 4 * USB3.1 interface 2 * HDMI interface 2*COM 1 * DC IN interface, 4pin Phoenix terminal 1 * M3 grounding screw hole 4 * Antenna 1 * RST button, in case of shutdown, long press for ≥ 3 seconds to clear BIOS configuration; In the case of startup, briefly press 0.5~1s to restart 1 * REC button, system restore |
| Power IN | 12-19V DC input (optional 9-36V wide voltage power module) | |
| Expansion | Basic configuration, GPIO adapter extension, WiF module, 12-19V DC input Four network port expansion, GPIO conversion expansion, 12-19V DC input POE quad port expansion, GPIO adapter expansion, 12-19V DC input Six serial port expansion, WiF module, 9-36V wide voltage power module Fourteen USB expansion, 4G module, GPIO adapter expansion, 12-19V DC input | |

| | |
|---------------|---|
| OS support | Windows 7 / Windows 10 / Linux |
| Power Adapter | INPUT : 100-240V 50/60Hz ; Output : 19.0V/5.0A Total: 90W |
| Certification | CCC / CE /FCC/ RoHs |

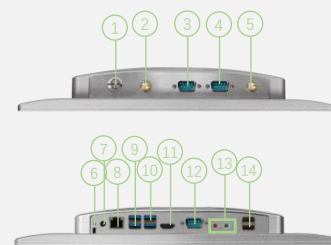
Product Environmental Indicators

| | National standard | Parameter Description |
|-------------|--|--|
| EMC | GB/T 9254.1-2021 Radio disturbance limits and measurement methods for information technology equipment | Radiation disturbance (B) level Conducted disturbance (B) level |
| | GB/T 17618-2015 Information technology equipment immunity limits and measurement methods | Meet the requirements of 6KV contact discharge and 12KV air discharge |
| Safety | GB 4943.1-2011 Information technology equipment security - Part 1: General requirements | Grounding resistance: $\leq 0.1 \Omega$ Dielectric strength: Under a limited leakage current of 10mA, for Class I equipment, the withstand voltage of the primary circuit to the casing is $\geq 1.5KV$ AC or 2.2KV DC; For Class II equipment, the withstand voltage of the primary circuit to the casing is $\geq 3.0KV$ AC or 4.3KV DC Insulation resistance: $\geq 100M \Omega$ Leakage current: ground leakage current $\leq 3.5mA$ |
| Environment | GB/T 9813.4-2017 General specification for computers - Part 4: Industrial application microcomputers GB/T 2423 Environmental Test | Working temperature: 0 °C~50 °C Storage temperature: -20 °C~70 °C Damp heat: 40 °C 95% RH Panel protection level: IP65 Drop in packaging: The machine is packaged at a height of 1 meter, with 8 edges and 6 sides dropping once each Vibration: 5-5.5Hz, displacement 25.4mm; 5.5~200Hz/acceleration 1.0g, working direction; Test duration 1 cycle Impact: Half sine pulse, peak acceleration of 10g, pulse width of 11ms, and 3 times of impact in the working direction Noise: (0) dB |

Product interface diagram & installation dimensions



IO interface parameters



- ① POWER ⑥ M3 Ground ⑪ HDMI
- ② WIF Antenna ⑦ DC IN ⑫ VGA
- ③ COM ⑧ LAN ⑬ AUDIO
- ④ COM ⑨ USB3.0*2 ⑭ USB2.0*2
- ⑤ WIF Antenna ⑩ USB3.0*2

Product ordering information

| Product Type | Specifications Description | Remarks |
|--------------|---|---------|
| PPC-1011 | 10.1-inch LCD screen/capacitive touch screen /J1900/DDR3L 1333MHz 4GB/M-SATA 128GB | |
| PPC-1011 | 10.1-inch LCD screen/capacitive touch screen/J4125 /DDR4 2133/2400MHz 4GB/M.2 2280 Sata 128GB | |

Factory Address

Longgang District, Shenzhen, China,
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 of over 12000 square meters)

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