



1019.00 EUR

incl. 19% VAT, plus [shipping](#)

- 1920x1080 Touchscreen !
- Fanless ! IP65 Front !
- 2x LAN, 2x COM !

P156-11KS is a 15.6 inch all in one panel pc system with Intel Apollo Lake Celeron based platform for power-efficiency and fanless condition. For different industrial touch application, it is also flexible to support either resistive touch or capacitive touch solution followed by IP65 protection rating in front.

All of these are aiming to provide the most stable and reliable product solution for different environmental or industrial HMI applications.

- 15.6" TFT LCD with 50,000 hrs backlight lifetime
- True-flat touchscreen with projected capacity
- Front panel IP65-rated, fanless design
- Inside Intel® Apollo Lake-M Processor

LCD  
Display Type

15.6" TFT-LCD

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|                                |                                                                                                     |
|--------------------------------|-----------------------------------------------------------------------------------------------------|
| Max. Resolution                | 1920 x 1080                                                                                         |
| Max. Colors                    | 16.2M (8 bit / color)                                                                               |
| Luminance                      | 450 cd/m2                                                                                           |
| Viewing Angle                  | 170° / 170°                                                                                         |
| LED Backlight lifetime (Hours) | 50,000                                                                                              |
| <b>TOUCH SCREEN</b>            |                                                                                                     |
| Type                           | P-CAP / resistive                                                                                   |
| Touch Screen                   | True-flat 10 points / single point                                                                  |
| <b>SYSTEM</b>                  |                                                                                                     |
| Processor                      | Intel® Apollo Lake-M N3350 Processor                                                                |
| Chipset                        | Intel® SoC integrated                                                                               |
| System Memory                  | DDR3L 1866 MHz / 2 x 204-pin SO-DIMM / Max. 8GB (Non-ECC)                                           |
| Ethernet                       | 2 x Intel® I211-AT Giga LAN                                                                         |
| I/O Port                       | 1 x 3-pin Phoenix type terminal block DC input                                                      |
|                                | 2 x RS232                                                                                           |
|                                | 2 x RJ45                                                                                            |
|                                | 1 x 8bit GPIO terminal block                                                                        |
|                                | 1 x DisplayPort 1.2                                                                                 |
|                                | 1 x 2-pin remote power on/off                                                                       |
|                                | 1 x DC Jack                                                                                         |
|                                | 4 x USB 3.0                                                                                         |
|                                | 1 x HDMI 1.4                                                                                        |
|                                | 1 x Line-out                                                                                        |
| Watchdog Timer                 | 1 x Mic-in                                                                                          |
|                                | 1~255 steps by software program                                                                     |
|                                | SATA 2.5" HDD/SSD bay x 1                                                                           |
|                                | 1 x M.2 2280 B key / 1 x M.2 2230 E key(PCIe / USB)                                                 |
|                                | 2 x 2W                                                                                              |
| OS Support                     | Windows 10 64bit                                                                                    |
| <b>POWER REQUIREMENT</b>       |                                                                                                     |
| Power Input                    | DC 8~24V                                                                                            |
| Power Adapter                  | AC to DC / DC19V / 3.4A / 65W adapter                                                               |
| <b>MECHANICAL</b>              |                                                                                                     |
| Mounting                       | VESA 75 / Panel Mount                                                                               |
| Dimension                      | 393.5 x 247.1 x 69.8 mm                                                                             |
| Weight                         | 4.3kg                                                                                               |
| <b>ENVIRONMENTAL</b>           |                                                                                                     |
| Operating Temperature          | -20°C ~ 55°C (-4 ~ 131°F)                                                                           |
| Storage Temperature            | -20 ~ 70°C (-4 ~158°F)                                                                              |
| Storage Humidity               | 10% ~ 95% @40°C non-condensing                                                                      |
| Vibration Resistance           | Operating Random vibration Test 5-500Hz, 0.3 Grms@with HDD / 2Grms @with SSD, follow IEC 60068-2-64 |
| Shock Resistance               | Operating 10 G peak acceleration (11 ms duration) / follow IEC 60068-2-27                           |
| EMC                            | CE / FCC Class B                                                                                    |
| Front Panel Protection         | IP65 Compliant                                                                                      |