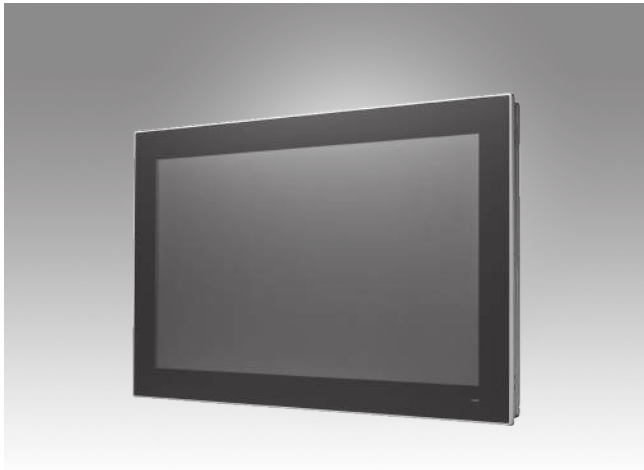


PPC-3151SW-MART

15.6" Panel PC with Win 10 LTSC and Intel® Core™ i5-6300U



Features

- 15.6" true-flat FHD TFT LCD with projected capacitive touch control
- Win 10 IOT LTSC, 8GB DDR4 SDRAM, 128GB 3D TLC SSD
- Fanless design with aluminum alloy enclosure
- Wide Range DC input (12-24V DC), Configurable RS-232/422/485
- IP65-rated front panel, Supports dual displays, VESA 100
- Supports TPM 2.0 (optional)
- No RED Certification



Introduction

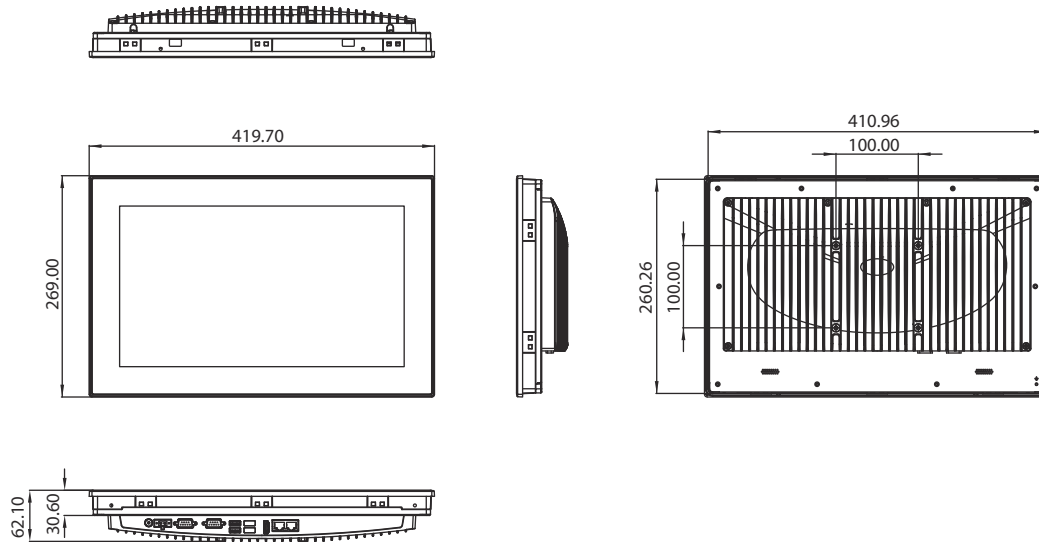
The PPC-3151SW-MART is an all-in-one light panel PC with a wide format 15.6" FHD industrial-grade LCD, Intel® Core™ i5-6300U, 8GB DDR4, 128GB SSD, 90W power adapter and Win 10 LTSC to provide high-performance computing in a compact and fanless system.

Specifications

| | | |
|---------------------------------|--------------------------------------|--|
| System | CPU | i5-6300U |
| | Cores | Dual Core |
| | Frequency | 2.4 GHz; 3.0 GHz with turbo boost |
| | L3 Cache | 3 MB |
| | TDP | 15W |
| | Memory | 1 x 8GB SODIMM DDR4 2400 MHz |
| | Storage | 1 x 128GB 2.5" 3D TLC SSD 1 x mSATA bay |
| | Network (LAN) | 2 x 10/100/1000 Mbps Ethernet (Intel I211-AT; Intel I219LM) |
| | I/O | 2 x Serial ports: 1 x RS-232, 1 x RS-232/422/485(Adjustable through BIOS) 2 x USB 3.0, 2 x USB 2.0 1 x HDMI 1 x TPM 2.0 internal (optional) |
| | Speaker | 2 x 1W |
| Expansion | 1 x Full-size mini PCIe slot | |
| Watchdog Timer | 255 timer levels, set up by software | |
| Physical Characteristics | Dimensions | 419.7 x 269.0 x 62.1 mm (16.5 x 10.6 x 2.4 in) |
| | Weight | 4.8 kg (10.67 lb) |
| OS Support | OS Support | Microsoft® Windows 10 IOT LTSC |
| Power Consumption | Input Voltage | 12 ~ 24 V _{DC} 100-240 V _{AC} (90W A/D adapter in the accessory box) |
| | Power Consumption | 60W (burn-in test in Win 7 64-bit) |
| LCD | Display Type | 15.6" FHD LCD (LED backlight) |
| | Resolution | 1920 x 1080 |
| | Viewing Angle | 85 (left), 85 (right), 85 (up), 85 (down) |
| | Luminance (cd/m ²) | 450 |
| | Contrast Ratio | 800 |
| | Backlight Lifetime | 50,000 hr (min.) |
| Touchscreen | Touch Type | 10-point multi-touch projected capacitive |
| | Light Transmission | 90 % ± 2 % |
| | Controller | USB interface |
| Environment | Operating Temperature | 0 ~ 50 °C (32 ~ 122 °F) for SSD |
| | Storage Temperature | -20 ~ 60 °C (-4 ~ 140 °F) |
| | Relative Humidity | 10 ~ 95% @ 40 °C (non-condensing) |
| | Shock | Operating 10 G peak acceleration (11 ms duration), follow IEC 60068-2-27 |
| | Vibration | Operating Random Vibration Test 5 ~ 500Hz, 1Grms @with HDD; 2Grms @with SSD, follow IEC 60068-2-64 |
| | EMC | CE, FCC Class B, BSMI, EN 60601-1-2 |
| | Safety | CB, CCC, BSMI, UL |
| Front Panel Protection | IP65 compliant | |

Dimensions

Unit: mm

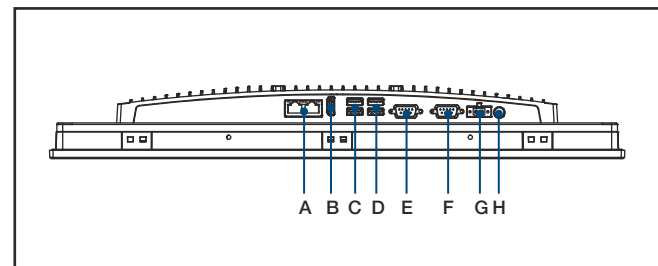


Panel Cutout Dimensions: 413 x 262 mm (16.25 x 10.31 in)

Ordering Information

| Part Number | Description |
|--------------------|---|
| PPC-3151SW-MART | 15.6" Panel PC with Win 10 LTSC and i5-6300U, 8GB DDR4, 128GB 3D TLC SSD, 90W power adapter |
| PPC-WLAN-C1E | M.2 Wi-Fi Module with Antenna cable support 2T2R |
| PPC-ARM-A03 | ARM VESA Standard (A-CLEVER) for PPC series |
| PPC-174T-WL-MTE | Wall mount kit for PPC series |
| PPC-Stand-A1E | Stand for PPC series |
| 1700001524 | Power cord 3P UL 10A 125V 1.8M |
| 170203183C | Power cord 3P Europe (WS-010+083) 183cm |
| 1700008921 | Power cord 3P/3P 1.8M PSE |
| 96CB-POWER-B-1.8MB | Power cord 3P CCC(China) 1.8M |
| 98R3P315100 | TPM 2.0 Module |

I/O View



- | | |
|----------------|-------------------------|
| A. 2 x LAN | E. COM2: RS-232/422/485 |
| B. HDMI | F. COM1: RS-232 |
| C. 2 x USB 3.0 | G. DC-In |
| D. 2 x USB 2.0 | H. Power Button |

Please note: If some optional modules are offered with the system, additional system certificates may be required in certain regions/countries. Please contact Advantech for certificate compliance.