

iTC-1150R

Fanless Industrial Panel PC w/ Intel® Elkhart Lake Processor



Features

- Intel® Celeron® Processor J6413 (1.5M Cache, up to 3.00 GHz)
- 15" 1024 x 768 XGA LCD display
- Fanless design w/ Aluminum Front bezel
- Flush front panel w/ IP65 waterproof compliant
- Support 2.5GbE LAN and USB 3.2 Gen1 (5Gbps)
- Rich I/O: 4 x COM/ 2 x LAN/ 4 x USB3.2(5Gbps)/ 8-bit DI/O & dual video output: DisplayPort and DVI-D
- Easy-accessible expansion for storage and wireless module.
- 9~36V wide-range DC input with reverse protection

System

| | |
|----------------|---|
| CPU | Intel® Celeron® J6413 Quad-Core™ Processor 1.80GHz |
| Memory | 1 x 260 pin DDR4 SO-DIMM socket, supporting 3200MHz SDRAM up to 32GB (4GB DDR4 SO-DIMM pre-installed) |
| LAN | 1 x Intel® 225LM controller 1 x Intel® i211AT controller |
| Watchdog Timer | 1~255 levels reset |

Storage

| | |
|------------|---|
| 1st Device | 1 x M.2 M-key 2242/ 2280 (SATAIII only) |
| 2nd Device | 1 x 2.5" SSD/ HDD tray |

Audio

| | |
|---------|------------------------------|
| Type | 1 x Mic-in / 1 x Line out |
| Speaker | 2 x 1.5W speakers (optional) |

LCD Display

| | |
|----------------------|------------------------------|
| Size/Type | 15" TFT LCD Panel |
| Max. Resolution | 1024 x 768, XGA |
| Max. Colors | 16.2M |
| Luminance | 350 cd/m ² |
| Touch Screen | Flat 5-wire Analog Resistive |
| View Angle (U/D/R/L) | 88°/88°/88°/88° |

Button & Indicator

| | |
|---------------|---|
| Buttons | Power on & Reset |
| LED Indicator | Power-on status/ HDD status/ RTC battery status |

Power System

| | |
|-------------------|--|
| Power Input | DC 9~36V |
| Power Consumption | Typical 25W (w/o I/O cards) |
| Remote Control | 1x3-pin terminal block for remote control and PWR LED output |

Qualification

| | |
|---------------|-----------------|
| Certification | CE, FCC Class A |
|---------------|-----------------|

Expansion

| | |
|---|--|
| Expansion Bus (for Wireless connection) | 1 x Mini PCIe slot (PCIe x1+ USB2.0, Full size) w/ 1 x SIM card slot |
|---|--|

External I/O

| | |
|--------------|---|
| Serial Ports | 2 x DB-9 connectors for RS232/422/485 2 x DB-9 connectors for RS232 |
| USB Ports | 4 x Type-A USB 3.2 Gen1 (5Gbps) |
| LAN | 1 x RJ-45 ports for GbE LAN 1 x RJ-45 ports for 2.5 GbE LAN |
| Video Ports | 1 x DVI-D connector, supporting Full HD resolution 1 x DisplayPort 1.4 connector, supporting 4K2K resolution |
| Digital I/O | 8 bit Digital I/O |

Mechanical

| | |
|-----------------------|--|
| Mounting Type | Panel mount VESA-75/100 mount (optional) |
| Chassis | Aluminum front bezel and steel-metal chassis |
| Dimension (W x H x D) | 367 x 299 x 68.8 mm |
| Weight (Net) | 4.5 kg |

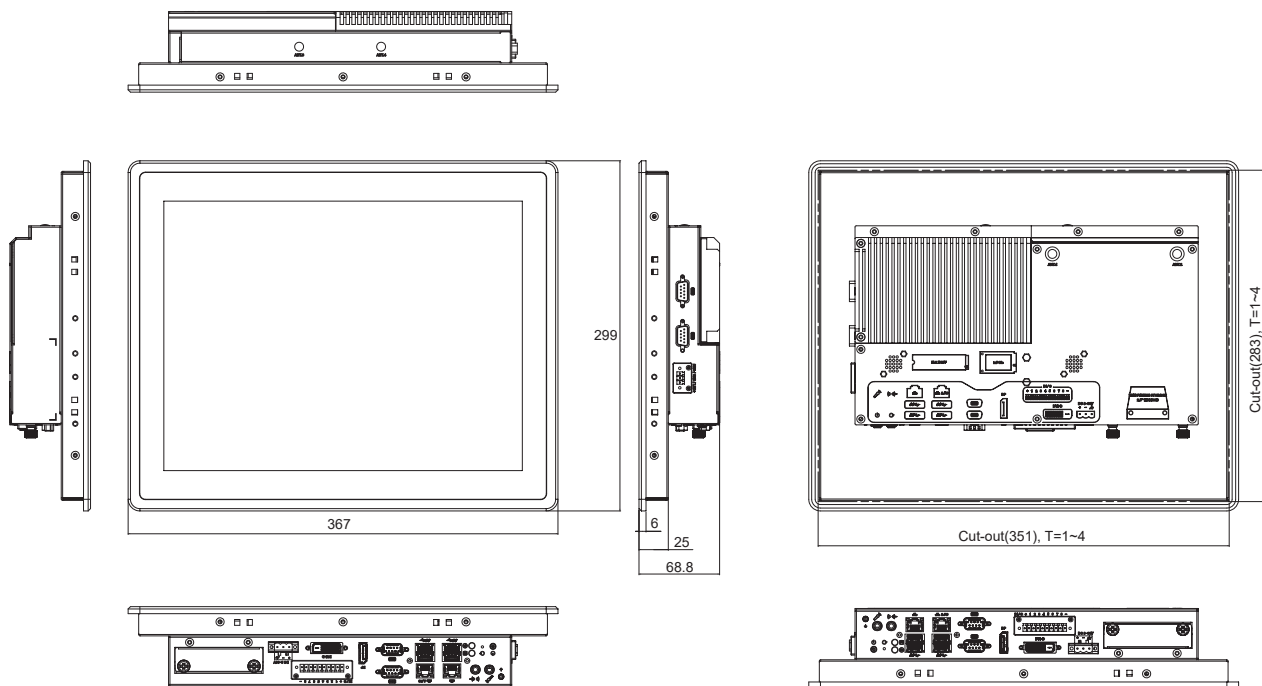
Environmental

| | |
|--------------------|---|
| Operating Temp. | -10 ~ 55°C |
| Storage Temp. | -20 ~ 70°C |
| Operating Humidity | 10 ~ 95% RH @ 55°C (non-condensing) |
| Vibration | 5 ~ 500Hz, 1Grms X,Y,Z axis (with SSD) |
| Shock | Operating 10G, 11ms X,Y,Z axis (with SSD) |

OS Support

| | |
|--------------------|--|
| Windows®10 (64bit) | |
|--------------------|--|

Dimensions



Optional Accessories

PAC-60W6A-FSP-ES 12V/5A 60W AC/DC power adapter kit



VMB-1150 iTC-1105R VESA-mount bracket kit, w/ 75 x 75 mm & 100 x 100 mm VESA supports



64/128/256GB SSD 2.5" SSD MLC 64/128/256GB



64GB M.2 SSD M.2 M-key 2242/2280, 64GB, SATA3.0



WiFi-AT4550 Atheros, QCNFA324 Wi-Fi module w/ 2*30cm internal wiring



ANT-D11 1 x Wi-Fi Dual-band 2.4G/5G antenna



ADK-11X iTC-11xx series audio kit



SCK-722C Assembly kit for SiP-41B/42B
(Note: SCK-722C can only be installed with VMB-1150 Mounting Bracket)

