



iTC-1170R

Fanless Industrial Panel PC w/ Intel® Elkhart Lake Processor



Features

- Intel® Celeron® Processor J6413 (1.5M Cache, up to 3.00 GHz)
- 17" 1280 x 1024 SXGA 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® i210 / i211AT controller
Watchdog Timer	1~255 levels reset
TPM	Support TPM 2.0

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	17" TFT LCD Panel
Max. Resolution	1280 x 1024, SXGA
Max. Colors	16.7M
Luminance	350 cd/m ²
Touch Screen	Flat 5-wire Analog Resistive
View Angle (U/D/R/L)	60°/80°/80°/80°

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 40W (w/o I/O cards)
Remote Control	1x3-pin terminal block for remote control and PWR LED output

Qualification

Certification	CE, FCC Class A
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Expansion

Expansion Bus (for Wireless connection)	1 x Mini PCIe slot (PCIe x1+ USB2.0, Full size) w/ 1 x SIM card slot
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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 Gen 1 (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)	415 x 347 x 70 mm
Weight (Net)	5.6 kg

Environmental

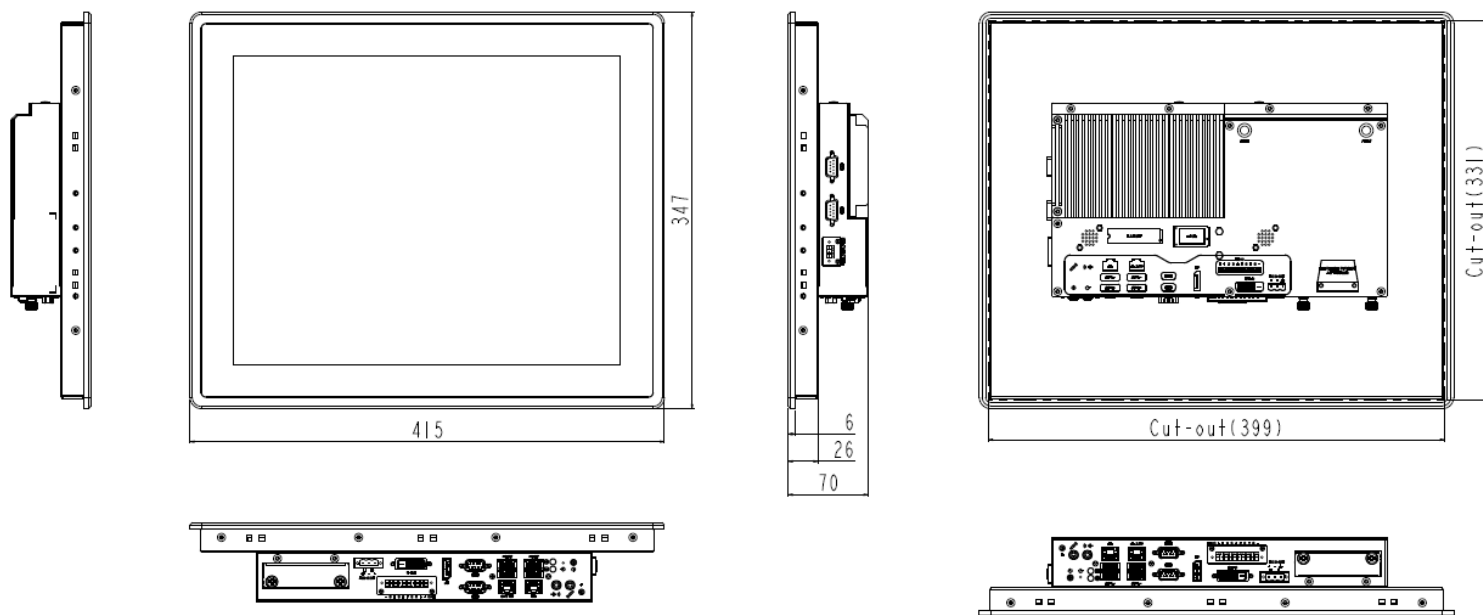
Operating Temp.	-10 ~ 55°C
Storage Temp.	-20 ~ 70°C
Operating Humidity	10 ~ 95% RH @ 55°C (non-condensing)
Vibration	5 ~ 500Hz, 1Grms X,Y,Z axis (with SSD)
Shock	Operating 10G, 11ms X,Y,Z axis (with SSD)

OS Support

Windows®10 (64bit), Windows®11 (64bit)

All specifications are subject to change without notice.

Dimensions



Optional Accessories

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



VMB-1170 iTC-1170R 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-1170 Mounting Bracket)

