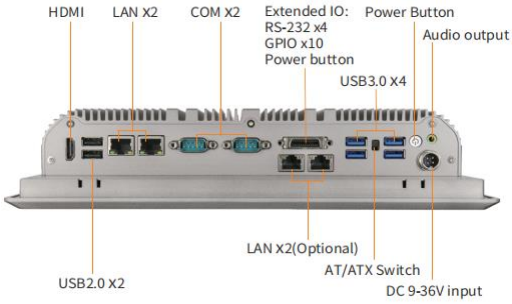
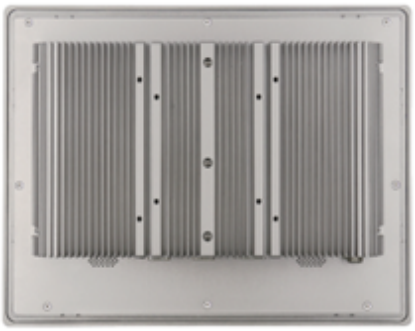
IFC-812

12.1 inch Touch Panel PC





Features:

1. Cordless motherboard design, high-end industrial panel PC.
2. Intel Celeron J4125/J6412/N100 or Intel Core 8th/10/11th Gen of i5/i7.
3. Aluminum alloy shell, seamless design, front panel IP65 waterproof. Integrated heat sink on the back side, excellent heat dissipation.
4. With Rubber waterproof ring on the back side.
5. Industrial LCD panel, wide viewing angle, high nits, true color.
6. LCD+HDMI dual display, synchronous/asynchronous mode
7. Full flat touch screen, low power consumption, fanless.
8. 9V-36V Wide Voltage.
9. High performance motherboard, 7x24 continuous operation.

PC	
CPU Optional	Intel® Celeron J6412, 4 Cores, 4 Threads, Base 2.0 GHz, Turbo 2.6 GHz, 1.5MB Cache, Fanless
CPU Optional	Intel® Core i5-8260U 4 Cores, 8 Threads, Base 1.6 GHz, Turbo 3.9 GHz, 6MB Cache, Fanless
CPU Optional	Intel® Core i5-10210U 4 Cores, 8 Threads, Base 1.3 GHz, Turbo 4.2 GHz, 8MB Cache, Fanless
CPU Optional	Intel® Core i7-10510U 4 Cores, 8 Threads, Base 1.8 GHz, Turbo 4.9 GHz, 8MB Cache, Fanless
CPU Optional	Intel® Core i7-10610U 4 Cores, 8 Threads, Base 1.8 GHz, Turbo 4.9 GHz, 8MB Cache, Fanless
CPU Optional	Intel® Core i5-1135G7/i5-1155G7, 4 Cores, 8 Threads, Base 2.4 GHz, Turbo 4.2 GHz, 8 MB Cache, Fanless
CPU Optional	Intel® Core i7-1165G7/i7-1195G7, 4 Cores, 8 Threads, Base 2.8 GHz, Turbo 4.7 GHz, 12 MB Cache, Fanless
CPU Optional	Intel® N100, 4 Cores, 4 Threads, Base 0.8 GHz, Turbo 3.3 GHz, 6MB Cache, Fanless
CPU Optional	Intel® Core i5 1235U, 10 Cores, 12 Threads, Base 1.3 GHz, Turbo 4.4 GHz, 12MB Cache, Fanless
CPU Optional	Intel® Core i7 1255U, 10 Cores, 12 Threads, Base 1.7 GHz, Turbo 4.7 GHz, 12MB Cache, Fanless
CPU Optional	Intel® Core Ultra 5 125U, 12 Cores, 14 Threads, Base 1.3 GHz, Turbo 4.3 GHz, 12MB Cache, Fanless
CPU Optional	Intel® Core Ultra 5 125H, 14 Cores, 18 Threads, Base 3.6 GHz, Turbo 4.5 GHz, 18MB Cache, Fanless
CPU Optional	Intel® Core Ultra 7 155U, 12 Cores, 14 Threads, Base 1.7 GHz, Turbo 4.8 GHz, 12MB Cache, Fanless
Memory	J4125: 1x DDR4 SODIMM, Max 8G DDR4 J6412: 1x DDR4 SODIMM, Max 16G DDR4 N100: 1x DDR5 SODIMM, Max 16G DDR5 Core i5/i7: 2x DDR4 SODIMM, Max 64G DDR4
Storage	1 x M.2 2242/2260/2280 SATA, 1 x SATA(2.5" SATA) , 1 x M.2 2280 NVME
Hard Drive Capacity	128GB, 256GB, 512GB, 1TB, 2TB, 4TB, SSD, 500GB, 1TB, 2TB, 4TB HDD Optional
Network	2x 2.5 GbE RJ45 Intel i225V (4 x 2.5GbE RJ45 Intel I225v Optional)
Wireless Network	WIFI/Bluetooth, 4G/5G, GPS Optional

I/O Interface	4 x USB2.0 , 2 x USB3.0 (J4125/J6412) 2 x USB2.0 , 4 x USB3.0 (8th/10th/11th generation intel Core i5/i7)
	2x DB-9 COM1& COM2, RS232/422/485
	1x HDMI/Audio Line-out/ Power Button
	1x AT/ATX switch
	1 x Extended IO: 4x RS232(4x3 wire COM3&COM4&COM5&COM6), GPIOx10, 1x Remote Switch
	2x 8Ω 1W Amplifier out optional
Expansion slot	M.2 3042/3052 3G/4G/5G Module, onboard SIM Card Slot
	M.2 2230 WiFi Bluetooth
Watchdog timer	1 to 65535 seconds programmable setting
Operation System	Support Windows® 10/11, WES 10, LINUX, etc.
Support	TPM 2.0
Support	PXE Boot
Support	UUID
LCD panel	
Panel size	12.1"
Resolution	1024*768
Aspect ratio	4:3
Support Color	16.7M colors
Brightness (cd/m^2)	500
Response time	5ms
Contrast ratio	800:1
View angle	89°/89°/89°/89° (R/L/U/D)
Touch panel	
Touchscreen Type	Project Capacitive Touch (10 points) (C) 5 Wire Resistive Touch (R)
Touch response time	2ms
Luminousness	90%
Surface Hardness	7H
Working life	>50 million times (C), >20 million times (R)
Power Supply	
External Power Supply	AC 100-240V
Working voltage	9-36V DC Wide Voltage with 4PIN Aviation Connector
Power consumption	≤24W

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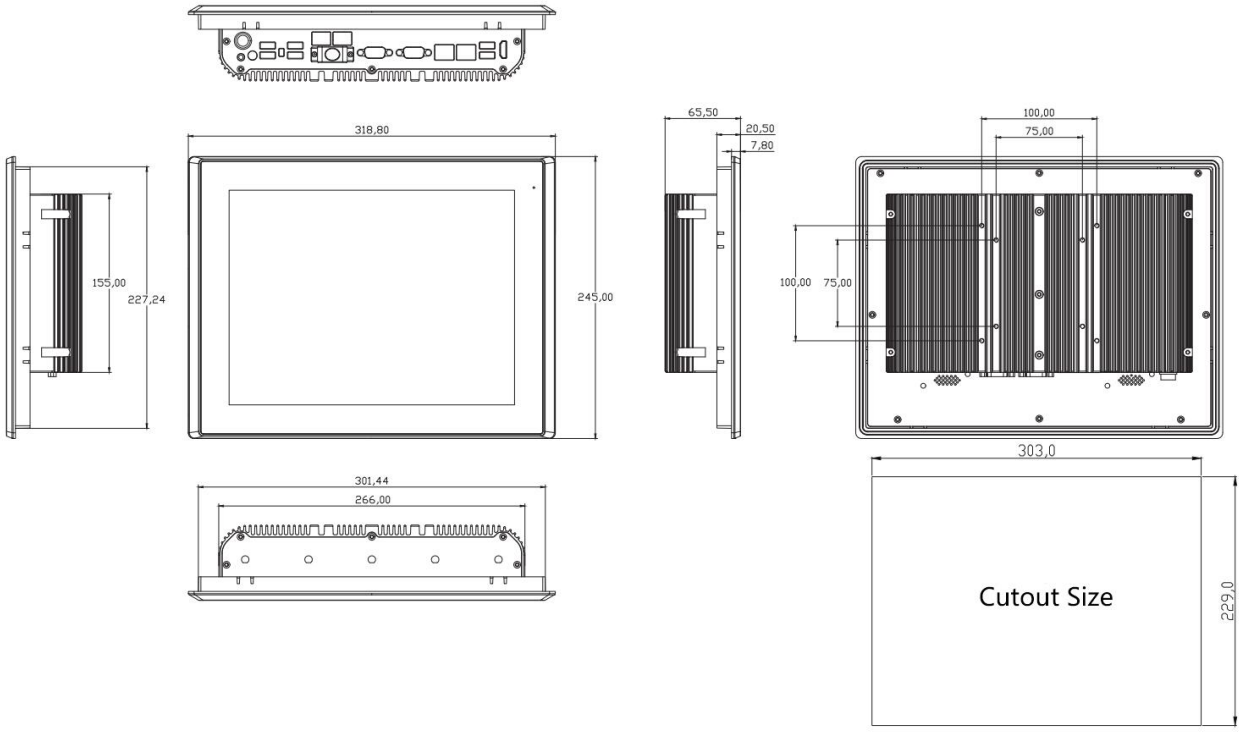
Enclosure	
Material	Aluminum Alloy
Color	Grey
VESA mounting	75x75/100x100mm
IP grade	Front panel IP65 waterproof
Operating Environment	
Temperature Range	Operating: -20 to 60°C, Storage: -30 to 70°C
Relative humidity	10%~90% @ 30° C, Non-condensing
Vibration	5-500 Hz, 0.026 G^2/Hz, 2.16 Grms, X, Y, Z, 1 hour per axis
Packing Details	
Net weight	3.5kg
Gross weight	5kg
Product Dimension	318.8x245.0x65.5 mm
Packing size	43x38x18cm
Accessories	Power adapter, Power cord, Embedded screws, Phoenix terminal
Accessories optional	WIFI module, 3G/4G/5G module, VESA bracket
Other	
Mounting (options)	Embedded mounting screws
	Wall mounting brackets (optional)
	Desk stand holder (optional)
Warranty	1 year warranty
Certificate	CE, FCC, RoHS
Product Dimension