DTP-C121M-6100U

WIFI、BT、4G 、5G | SSD SUPPORTS UP TO 1T | ADAPTIVE GIGABIT NETWORK CHIP





12.1 " ULTRA-THIN ALL-ALUMINUM BODY FANLESS TABLET

- Dual Intel® I210 adaptive gigabit network chip, 4 Serial ports (2*RS232、2*RS232/RS485)
- 4*USB3.0、2*USB2.0、1*DP、1*HDMI、1*SIM Card、1*Remote SW、1*DC IN
- WiFi、BT、4G、5G and other wireless configurations are optional
- Panel mounting cutout dimensions (recommended) 286*228 (W*H) (1.40/2.00mm lager than the actual cutout dimensions)
- Overall dimensions: 303*242*71 (W*H*D)
- Mounting method: support 100mm*100mm VESA mounting and front-flush mounting

SINSMART

SPECIFICATION

SPECIFICATION PARAMETER

System Parameters	Model	DTP-C121M-6100U-4I5	DTP-C121M-6100U-5I3	DTP-C121M-6100U-5I5
	CPU	Intel® Core™ i5-4200U/4210U/4300U	Intel® Core™ i3-5005U	Intel® Core™ i5-5200U/5300U
	Frequency	Dual-core Four-thread,base frequency 1.6GHz Dual-core Four-thread,base frequency 1.7GHz Dual-core Four-thread,base frequency 1.9GHz	Dual-core Four-thread, base frequency 2.0GHz	Dual-core Four-thread,base frequency 2.2GHz Dual-core Four-thread,base frequency 2.3GHz
	RAM	Support DDR3 high-speed memory ,1*SO-DIMM, up to 16 GB		
Operating System	Operating System	Support Windows 7/10, Linux		

System Parameters	Model	DTP-C121M-6100U-6I3	DTP-C121M-6100U-6I5	DTP-C121M-6100U-6I7
	CPU	Intel® Core™i3-6100U	Intel® Core™ i5-6200U/6300U	Intel® Core™ I7-6600U
	Frequency	Dual-core Four-thread, base frequency 2.3GHz	Dual-core Four-thread,base frequency 2.3GHz Dual-core Four-thread,base frequency 2.4GHz	Dual-core Four-thread, base frequency 2.6GHz
	RAM	Support DDR4 high-speed memory,1*SO-DIMM, up to 16 GB		
Operating System	Operating System	Support Windows 7/8/10/11, Linux		

System Parameters	Model	DTP-C121M-6100U-7I5	DTP-C121M-6100U-7I7	DTP-C121M-6100U-8I5
	CPU	Intel® Core™ i5-7200U/7300U	Intel® Core™ i7-7500U	Intel® Core™ i5-8250U
	Frequency	Dual-core Four-thread,base frequency 2.5GHz Dual-core Four-thread,base frequency 2.6GHz	Quad-core Four-thread, base frequency 2.7GHz	Quad-core Eight-thread, base frequency 1.6GHz
	RAM	Support DDR4 high-speed memory, 1*SO-DIMM, up to 16GB		
Operating System	Operating System	Support Windows 7/8.1/10/11, Linux		

System Parameters	Model	DTP-C121M-6100U-10I3	DTP-C121M-6100U-10I5	DTP-C121M-6100U-10I7
	CPU	Intel® Core™ i3-10110U	Intel® Core™ i5-10310U	Intel® Core™ i7-10510U
	Frequency	Dual-core Four-thread, base frequency 2.1GHz	Quad-core Eight-thread, base frequency 1.7GHz	Quad-core Eight-thread, base frequency 1.8GHz
	RAM	Support DDR4 high-speed memory, 1*SO-DIMM, up to 32 GB		
Operating System	Operating System	Support Windows 10/11, Linux		

System Parameters	Model	DTP-C121M-6100U-11I3	DTP-C121M-6100U-11I5	DTP-C121M-6100U-11I7
	CPU	Intel® Core™ i3-1115G4	Intel® Core™ i5-1135G7 / 1155G7	Intel® Core™i7-1165G7 / 1195G7
	Frequency	Dual-core Four-thread, Max Turbo frequency 4.1GHz	Quad-core Eight-thread,Max Turbo frequency 4.2GHz Quad-core Eight-thread,Max Turbo frequency 4.5GHz	Quad-core Eight-thread, Max Turbo frequency 4.7GHz Quad-core Eight-thread, Max Turbo frequency 5.0GHz
	RAM	Support DDR4 high-speed memory, 1*SO-DIMM, up to 64 GB		
Operating System	Operating System	Support Windows 10/11, Linux		

System Parameters	Model	DTP-C121M-6100U-12I3	DTP-C121M-6100U-12I5	DTP-C121M-6100U-12I7
	CPU	Intel® Core™ i3-1215U	Intel® Core™ i5-1235U	Intel® Core™ i7-1255U
	Frequency	Hexa-core Eight-thread, Max Turbo frequency 4.4GHz	Deca-core Twelve-thread, Max Turbo frequency 4.4GHz	Deca-core Twelve-thread, Max Turbo frequency 4.7GHz
	RAM	Support DDR4 high-speed memory, 1*SO-DIMM, up to 64 GB		
Operating System	Operating System	Support Windows 10/11, Linux		

SPECIFICATION

SPECIFICATION PARAMETER

System Parameters	Model	DTP-C121M-6100U-C	DTP-C121M-6100U-N
	CPU	Intel®Celeron®J6412	Intel®Processor N97
	Frequency	Quad-core Four-thread,base frequency 2.0GHz	Quad-core Four-thread,Max Turbo frequency 3.6GHz
	RAM	Support DDR4 high-speed memory, 1*SO-DIMM, up to 32 GB	
Operating System	Operating System	Support Windows 7/8.1/ 10, Linux	Support Windows 10/11, Linux

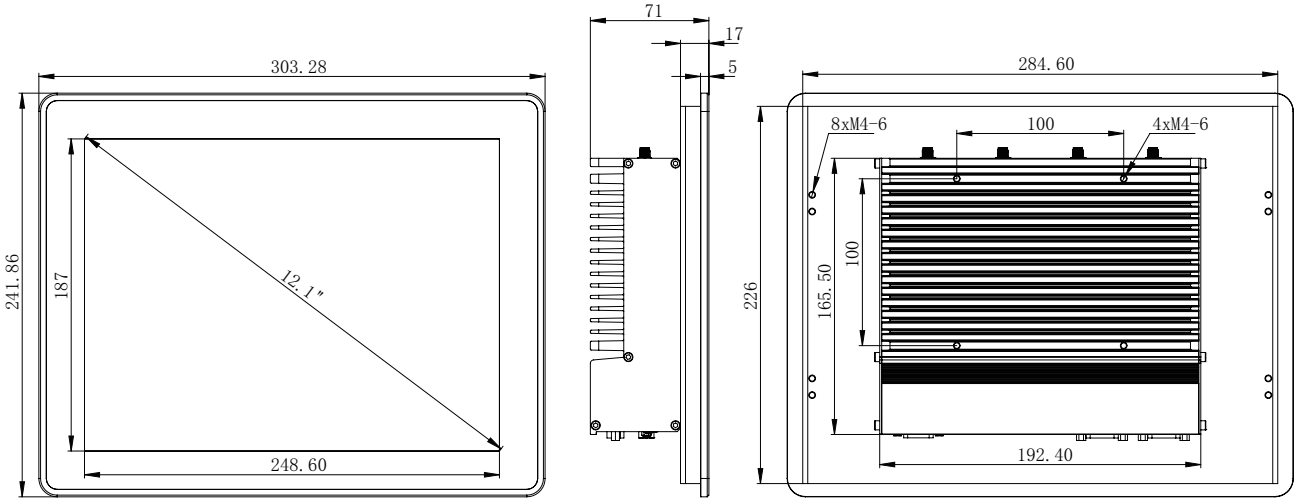
SPECIFICATION

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System Parameters	Storage	1 * M.2_KM(support SATA/NVMe)；1*SATA 7+15 Connector
I/O Interfaces	Network	2 * Intel® i210 1Gbps PCIe Ethernet Controller, RJ45
	USB	4*USB3.0，2*USB2.0
	Serial Ports	2*RS232；2*RS232/RS485
	Expansion Slots	1 * MINI-PCIE (WIFI/BT/4G); 1* M.2_KB(5G)；1*M.2_KE (WIFI/BT)
	Other Interfaces	1 * DP，1 * HDMI，1 * Remote SW，1 * SIM Card，1*DC IN
Physical Specifications	Dimensions(W*H*D)	303mm*242mm*71mm
	Cutout Dimensions(W*H)	286mm*228mm（1.40/2.00mm lager than the actual cutout dimensions）
	Net Weight	2.98kg
Power Supply	Input Voltage	9~36VDC（Phoenix terminal）
LCD Panel	Screen Type	12.1" Full HD TFT
	Resolution	1024*768
	Maximum Colors	16.7MB
	Backlight	LED
	Backlight MTBF(hours)	50000hrs
	Pixel Pitch	0.24*0.24
	Luminance	500cd/m²
	Contrast Ratio	700 : 1
	Viewing Angle	(L) 80 / (R) 80 / (T) 70 / (B) 70
Touch Screen	Touch Screen Types	10-point capacitive touch screen, High-temperature 5-wire resistive touch screen, Non-touch screen
	Transmittance	> 85%
	Controller	USB port（Serial touch port available on request）
	Response Time (stylus)	< 5ms
	Surface Hardness	Mohs hardness 6H
	Touch Life	250g / 35,000,000 times
	Stroke Life	250g / 5,000,000 times
Environmental Parameters	Operation Temperature	0 ~ 50° C (32~122°F) (Using standard temperature grade SSD)
	Custom Version	-20 ~ 60° C (-4 ~ 140°F) (Using wide-temperature grade SSD)
	Storage Temperature	-20 ~ 60° C (-4 ~ 140°F)
	Relative Humidity	10~95% RH@40°C,non-condensing
	Vibration During Operation	SSD applied: 1.5 Grms, 5 ~ 500 Hz, 1 hr/axis
	Shock During Operation	SSD applied: 10 G, Half-sine wave
	EMC	CE/FCC Class B
	Waterproofing	The front panel meets IP65 protection class

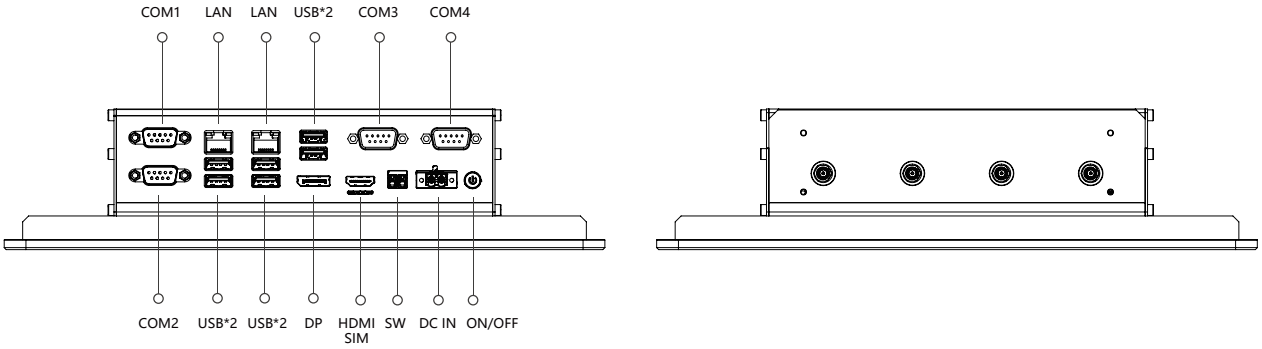
DIMENSION

DIMENSION FIGURE



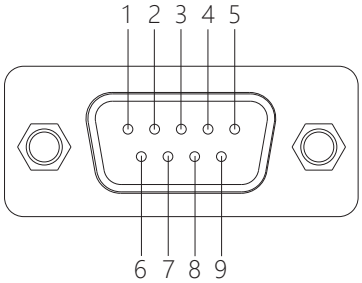
INTERFACE

INTERFACE DRAWING



PIN DEFINITION

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COM Port Pin Definition Description

RS232	
PINOUT	FUNCTION
1	DCD
2	RXD
3	TXD
4	DTR
5	GND
6	DSR
7	RTS
8	CTS
9	RI

RS485	
PINOUT	FUNCTION
1	485_B
2	485_A
3	NC
4	NC
5	GND
6	NC
7	NC
8	NC
9	NC