DTP-C121N-N95/97/100

QUAD-CORE FOUR-THREAD | WIFI、BT、4G、5G | SSD SUPPORTS UP TO 1T | ADAPTIVE GIGABIT NETWORK CHIP





12.1 " ULTRA-THIN ALL-ALUMINUM BODY FANLESS TABLET

- Intel® Alder Lake-N Series Processor N95, Max frequency 3.4GHz, Quad-core Four-thread
  N97, Max frequency 3.6GHz, Quad-core Four-thread / N100, Max frequency 3.4GHz, Quad-core Four-thread
- DDR4-3200MHz high-speed memory, up to 16GB; SSD supports up to 1T
- Dual Intel® 10M/100M/1000M adaptive gigabit network chip;
  6 Serial ports, 4*USB3.0、2*USB2.0、1*HDMI、1*Line-out、1*Mic-in、1*DP、1*DC IN
- WiFi、BT、 (5G/4G) 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*67 (W*H*D)
- Mounting method: support 75mm*75mm VESA mounting and front-flush mounting

SINSMART

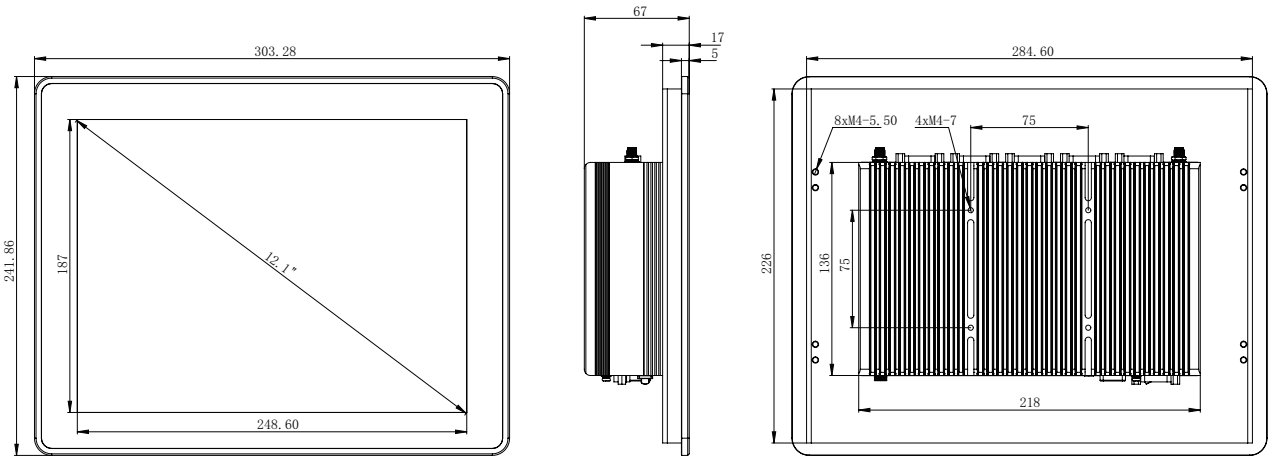
SPECIFICATION

SPECIFICATION PARAMETER

System Parameters	Model	DTP-C121N-N95	DTP-C121N-N97	DTP-C121N-N100
	CPU	Intel® Alder Lake-N Series Processor		
		N95	N97	N100
	Frequency	Quad-core Four-thread, Max frequency 3.4GHz	Quad-core Four-thread, Max frequency 3.6GHz	Quad-core Four-thread, Max frequency 3.4GHz
	RAM	Support DDR4-3200MHz high-speed memory, up to 16GB		
	Storage	1*SATA3.0 6Gbps+1*M.2 M-key 2280		
I/O Interfaces	Network	1*Intel® i210-AT GbE Ethernet port（LAN1）；1*Intel® i226-V GbE Ethernet port（LAN2）		
	Audio	Realtek® HDA Codec, with MIC/Line-out and Amplifier		
	USB	4*USB3.0，2*USB2.0		
	Serial Ports	5*RS232； 1*RS232 / RS485		
	Expansion Slots	Onboard 1*M.2 E-Key 2230, PCIE+USB2.0, support WiFi+BT Module 1*M.2 B-Key 2242/3052, USB3.0+ USB2.0, support 5G/4G；1*SIM Card		
	Other Interfaces	1*HDMI，1*DC IN，1*DP，1*Mic-in，1*Line-out，1*Remote SW		
Physical Specifications	Dimensions(W*H*D)	303mm*242mm*67mm		
	Cutout Dimensions(W*H)	286mm*228mm（1.40/2.00mm lager than the actual cutout dimensions）		
	Net Weight	2.80kg		
Operating System	Operating System	Support Windows10/11 64bit, Linux		
Power Supply	Input Voltage	12VDC / 19VDC / 24VDC		
	Max Power Consumption	33W	33W	34W
LCD Panel	Screen Type	12.1" Full HD TFT		
	Resolution	1024*768		
	Maximum Colors	16.7MB		
	Backlight	LED		
	Backlight MTBF(hours)	50000hrs		
	Pixel Pitch (H*V)	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		

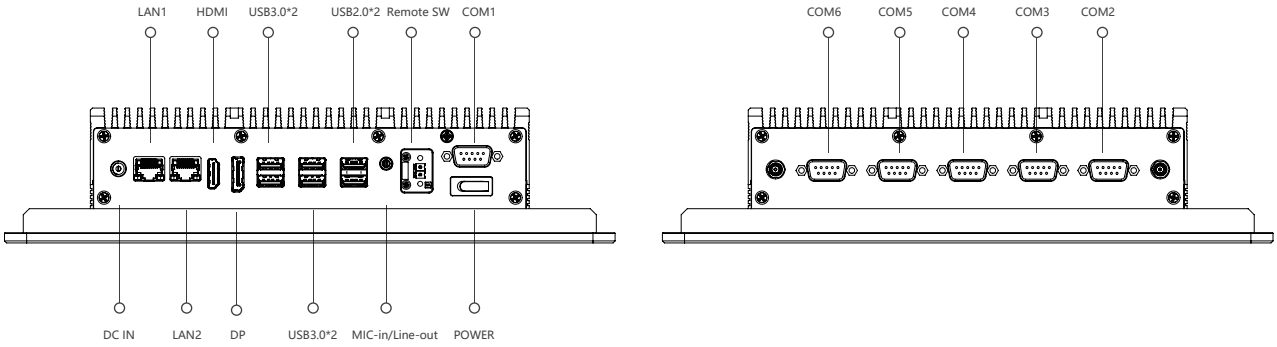
DIMENSION

DIMENSION FIGURE



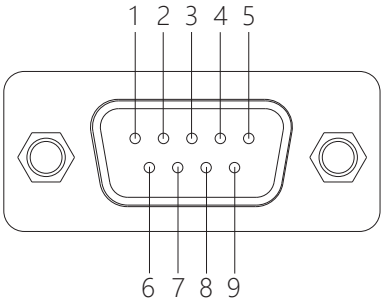
INTERFACE

INTERFACE DRAWING



PIN DEFINITION

PIN DEFINITION



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