DTP-C238ND-N95

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





23.8 " ULTRA-THIN ALL-ALUMINUM BODY FANLESS TABLET

- Intel® Alder Lake-N Series Processor N95，Max Turbo Frequency 3.4GHz, Quad-core Four-thread / N97, Max Turbo Frequency 3.6GHz, Quad-core Four-thread
- N100，Max Turbo Frequency 3.4GHz, Quad-core Four-thread / N305, Max Turbo Frequency 3.8GHz, Octa-core Eight-thread
- DDR4 high-speed memory, up to 16GB；SSD supports up to 1T
- Dual Intel® i210 10M/100M/1000M adaptive gigabit network chip
- 4 Serial ports, 4*USB3.0、2*USB2.0、1*HDMI、1*SIM Card、1*DP、1*DC IN、1*AUDIO、1*Remote SW
- WiFi、BT、（5G/4G）and other wireless configurations are optional
- Panel mounting cutout dimensions (recommended) 562*340（W*H) (2.00/1.42mm lager than the actual cutout dimensions)
- Overall dimensions: 579*349*74（W*H*D)
- Mounting method: support 100mm*100mm VESA mounting and front-flush mounting

SINSMART

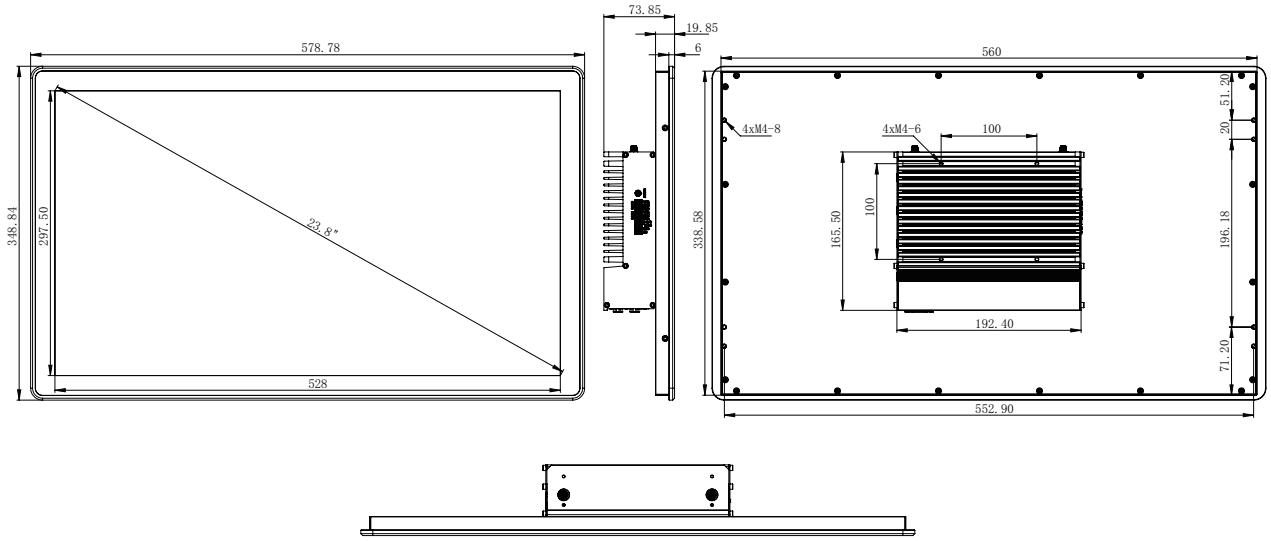
SPECIFICATION

SPECIFICATION PARAMETER

System Parameters	Model	DTP-C238ND-N9595	DTP-C238ND-N9597
	CPU	Intel® Alder Lake-N Series Processor N95	Intel® Alder Lake-N Series Processor N97
	Frequency	Quad-core Four-thread, Max Turbo Frequency 3.4GHz	Quad-core Four-thread, Max Turbo Frequency 3.6GHz
	Model	DTP-C238ND-N95100	DTP-C238ND-N95305
	CPU	Intel® Alder Lake-N Series Processor N100	Intel® Alder Lake-N Series Processor N305
	Frequency	Quad-core Four-thread, Max Turbo Frequency 3.4GHz	Octa-core Eight-thread, Max Turbo Frequency 3.8GHz
	RAM	Support DDR4 high-speed memory, up to 16GB	
	Storage	1*mSATA（3.0）/ 1*SATA3.0 7+15P Connector，1 * M.2 M Key（support SATA/NVMe）	
I/O Interfaces	Network	2*Intel® i210-AT 10/100/1000Mbps RJ-45 Ethernet ports	
	Audio	Realtek® HDA Codec, with MIC/Line-out and Amplifier	
	USB	4*USB3.0，2*USB2.0	
	Serial Ports	2*RS232/485 (Phoenix terminal)，2*RS232 (DB9)	
	Expansion Slots	1*Mini Pcle (WIFI+BT/4G), 1*M.2 B Key (5G, colay USB3.0, Type-A), 1*M.2 E Key (WIFI+BT), USB-C (full definition, colay USB3.0，Type-A), expandable CAN、GPIO（optional）	
	Other Interfaces	1*HDMI，1*SIM Card，1*DP，1*DC IN，1*AUDIO，1*Remote SW	
Physical Specifications	Dimensions(W*H*D)	579mm*349mm*74mm	
	Cutout Dimensions(W*H)	562mm*340mm（2.00/1.42mm lager than the actual cutout dimensions）	
	Net Weight	8.28kg	
Operating System	Operating System	Support Windows 10/11 64 bit, Linux	
Power Supply	Input Voltage	12~28VDC	
	Max Power Consumption	TBD	
LCD Panel	Screen Type	23.8" Full HD TFT	
	Resolution	1920*1080	
	Maximum Colors	16.7MB	
	Backlight	LED	
	Backlight MTBF(hours)	30000hrs	
	Pixel Pitch (H*V)	0.2745*0.2745	
	Luminance	250cd/m²	
	Contrast Ratio	1000:1	
	Viewing Angle	(L) 89 / (R) 89 / (T) 89 / (B) 89	
Touch Screen	Touch Screen Types	10-point capacitive 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	

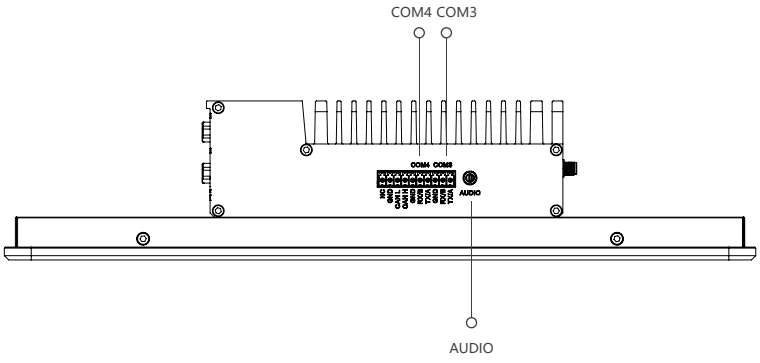
DIMENSION

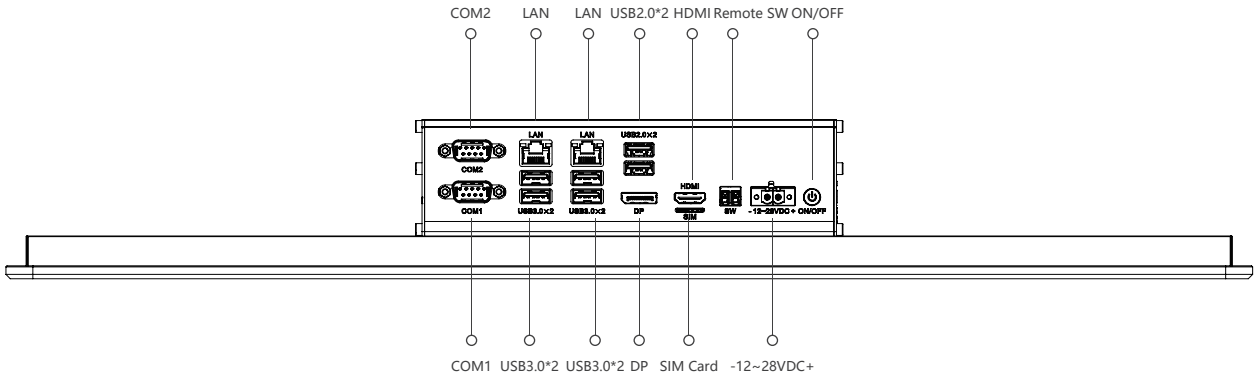
DIMENSION FIGURE

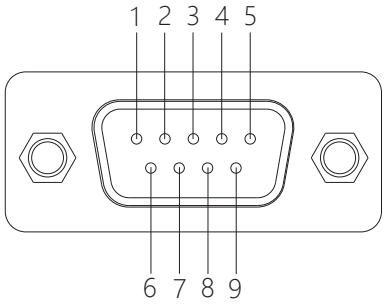


INTERFACE

INTERFACE DRAWING



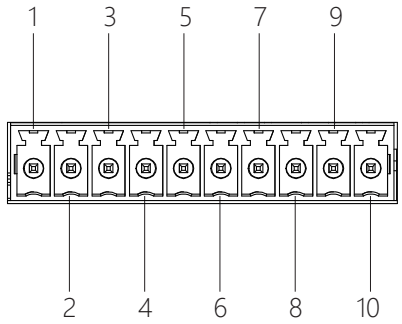




COM Port Pin Definition Description

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



COM/CAN Port Pin Definition Description

COM/CAN			
PINOUT	FUNCTION	PINOUT	FUNCTION
1	NC	6	4RX/B
2	GND	7	4TX/A
3	CANL	8	GND
4	CANH	9	3RX/B
5	GND	10	3TX/A