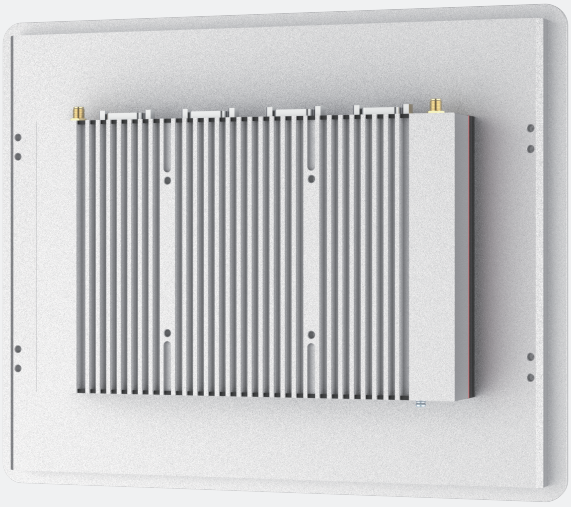
DTP-T121-RK3588

OCTA-CORE | WIFI、BT、4G、5G | ADAPTIVE GIGABIT NETWORK CHIP





12.1 " ULTRA-THIN ALL-ALUMINUM BODY FANLESS ANDROID TABLET

- RK3588, Max base frequency 2.4GHZ
- 12.1 Inches, 4 : 3 Standard Screen, 1024*768 Resolution
- Viewing angle: 80/80/70/70 (left/right/up/down)
- 10-point capacitive screen / High-temperature 5-wire resistive touch screen / Non-touch screen (Optional)
- WiFi wireless configuration (4G、5G expandable)
- 4 Serial ports (Standard 1*RS485, 3*RS232)
- Standard 4G RAM +32G storage (Maximum supported RAM: 32G, storage supports up to 64G、128G、256G)
- 2* GE Ports, 1*USB 2.0, 1*USB3.0, 1*HDMI, 1*TF Card, 1*SIM Card, 1*AUDIO, 1*DC IN
- Panel mounting cutout dimensions (recommended) 279*174 (W*H) (1.08/1.62mm larger than the actual cutout dimensions)
- Overall dimensions: 286*180*46 (W*H*D)
- Mounting method: support 75mm*75mm VESA mounting and front-flush mounting
- System support: Android 12, optional Android 13, Linux Buildroot/Debian 11/Ubuntu-22.04 and Tongxin UOS

SINSMART

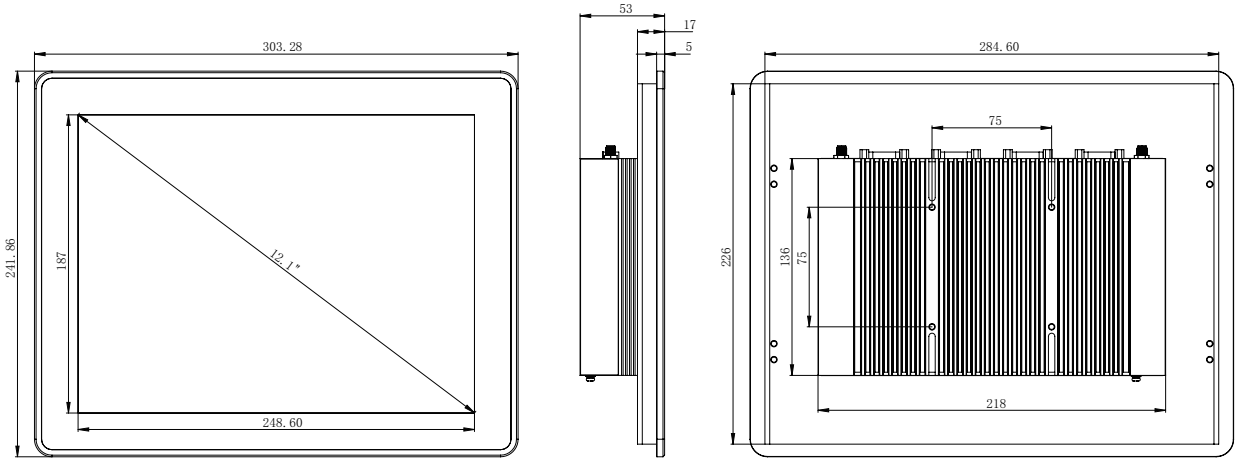
SPECIFICATION

SPECIFICATION PARAMETER

System Parameters	CPU	RK3588
	Frequency	Max base frequency 2.4GHz
	RAM	4G, support up to 32GB
	Storage	32G, support up to 64G、128G、256G
I/O Interfaces	Network	2x 10/100/1000M adaptive Ethernet RJ45 ports
	USB	1*USB3.0，1*USB3.0（OTG），1*USB2.0
	Serial Ports	2*RS232, 1*RS232/RS485, 1*RS485
	Other Interfaces	1*HDMI，1* DC IN，1*TF Card，1*SIM Card，1*AUDIO
Physical Specifications	Dimensions(W*H*D)	303mm*242mm*53mm
	Cutout Dimensions(W*H)	286mm*228mm（1.40/2.00mm larger than the actual cutout dimensions）
	Net Weight	2.24kg
Operating System	Operating System	Android 12, optional Android 13，Linux Buildroot/Debian 11/Ubuntu-22.04 and Tongxin UOS
Power Supply	Input Voltage	12VDC（Customizable wide voltage available）
	Max Power Consumption	19.8W
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%
	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)
	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

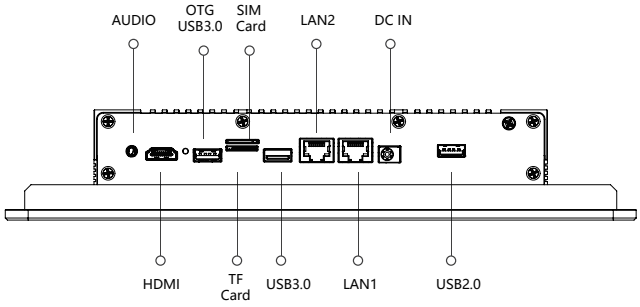
DIMENSION

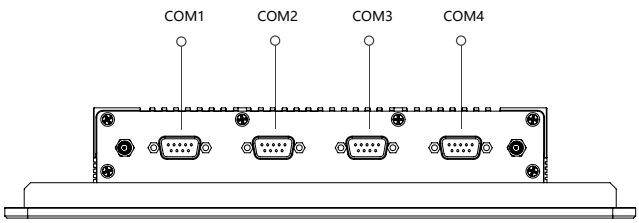
DIMENSION FIGURE



INTERFACE

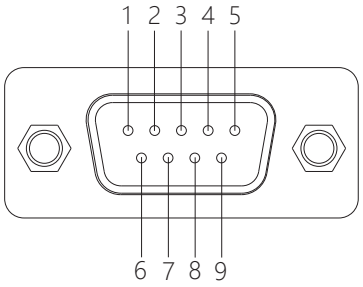
INTERFACE DRAWING





PIN DEFINITION

PIN DEFINITION



COM Port Pin Definition Description

RS232	
PINOUT	FUNCTION
1	NC
2	RXD
3	TXD
4	NC
5	GND
6	NC
7	NC
8	NC
9	NC

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