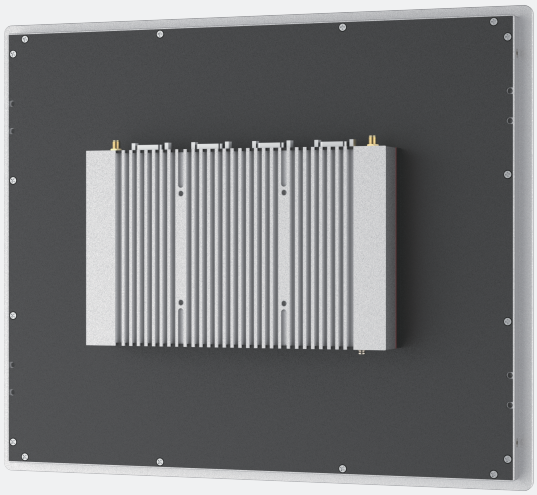
DTP-T185-RK3588

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





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

- RK3588, Max base frequency 2.4GHz
- 18.5 Inches, 16:9 Wide Screen, 1366*768 Resolution / 1920*1080 Resolution
- Viewing angle: 89/89/89/89 (left/right/up/down)
- 10-point capacitive 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, 2*USB3.0, 1*HDMI, 1*TF Card, 1*SIM Card, 1*AUDIO, 1*DC IN
- Panel mounting cutout dimensions (recommended) 454mm*275mm (1.20/1.60mm larger than the actual cutout dimensions) ; 449*273 (HD)(1.60/1.40mm larger than the actual cutout dimensions) (W*H)
- Overall dimensions: 465*285*54/461*281*54 (HD) (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

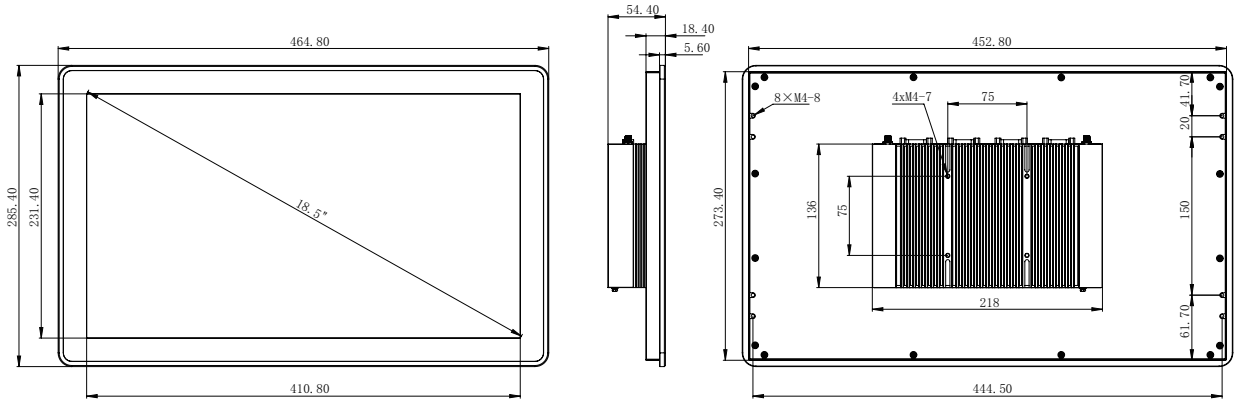
SPECIFICATION

SPECIFICATION PARAMETER

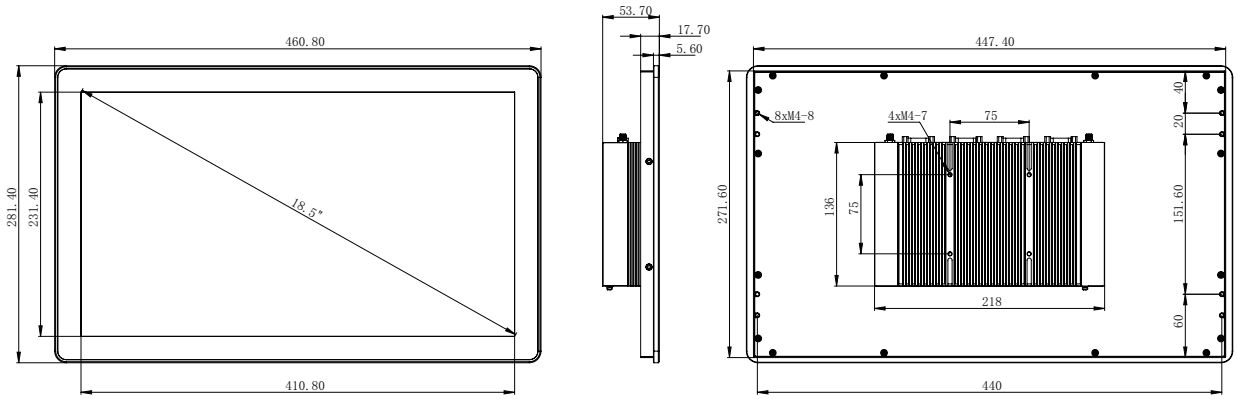
System Parameters	CPU	RK3588
	Frequency	Max base frequency 2.4GHz
	RAM	4G, support up to 32GB
	Storage	32G, support up to 64G、128G、256G
I/O Interfaces	Network	2x 10/100/1000M adaptive Ethernet RJ45 ports
	USB	1*USB3.0，1*USB3.0（OTG），1*USB2.0
	Serial Ports	2*RS232, 1*RS232/RS485, 1*RS485
	Other Interfaces	1*HDMI，1* DC IN，1*TF Card，1*SIM Card，1*AUDIO
Physical Specifications	Dimensions(W*H*D)	465mm*285mm*54mm /461mm*281mm*54mm (HD)
	Cutout Dimensions(W*H)	454mm*275mm（1.20/1.60mm larger than the actual cutout dimensions) 449mm*273mm (HD)（1.60/1.40mm larger than the actual cutout dimensions)
	Net Weight	5.24kg / 4.80kg (HD)
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	1366*768 resolution：22W；1920*1080 resolution：24WS
LCD Panel	Screen Type	18.5" Full HD TFT
	Resolution	1366*768/1920*1080
	Maximum Colors	16.7MB
	Backlight	LED
	Backlight MTBF (hours)	1366*768 resolution：50000hrs；1920*1080 resolution：30000hrs
	Pixel Pitch (H*V)	1366*768 resolution：0.1*0.3；1920*1080 resolution：0.213*0.213
	Luminance	1366*768 resolution：500cd/m²；1920*1080 resolution：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%
	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



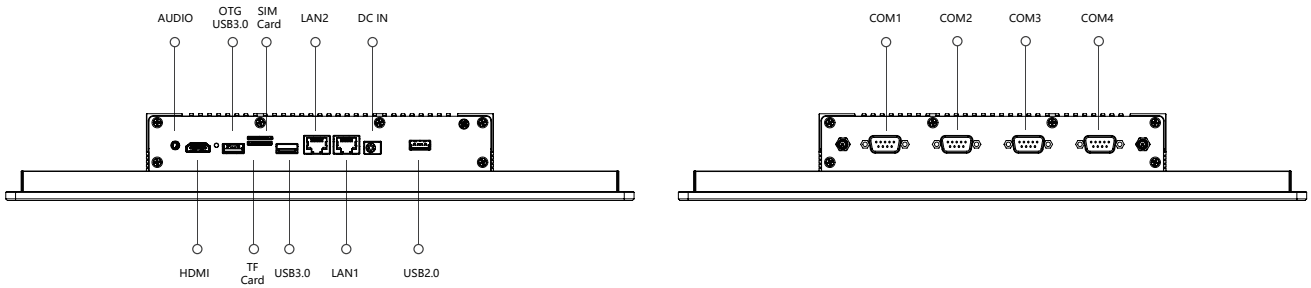
(Resolution: 1366*768)

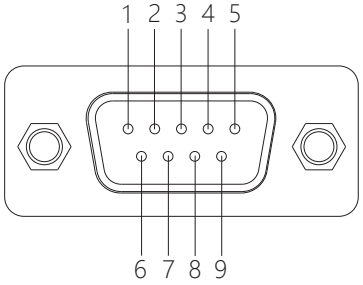


(Resolution: 1920*1080)

INTERFACE

INTERFACE DRAWING





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