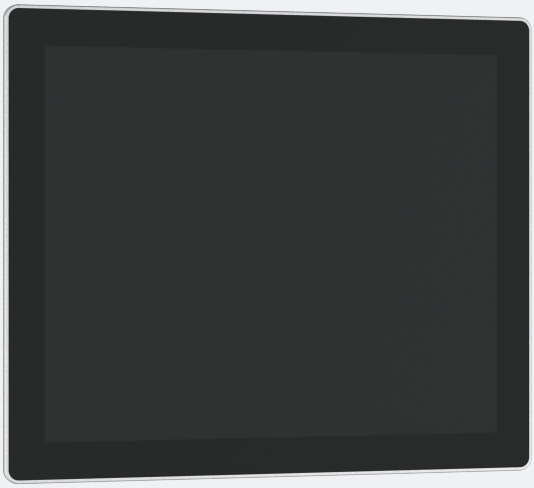
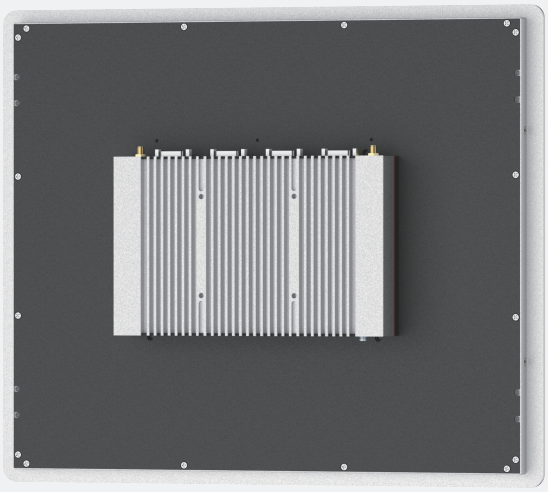
DTP-T190-RK3568

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





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

- RK3568, Max base frequency 2.0GHz
- 19.0 Inches，4:3 Standard Screen，1280*1024 Resolution
- Viewing angle: 85/85/80/80 (left/right/up/down)
- 10-point capacitive screen / High-temperature 5-wire resistive touch screen / Non-touch screen (Optional)
- WiFi wireless configuration (4G expandable)
- 4 Serial ports (Standard 1*RS485, 3*RS232; support up to 2*RS485，2*RS232)
- Standard 2G RAM +16G storage (Maximum supported RAM:8G, storage supports up to 32G、64G、128G)
- 2* GE Ports, 2*USB2.0, 1*USB3.0，1*HDMI, 1*TF Card,1*SIM Card,1*AUDIO, 1*DC IN
- Panel mounting cutout dimensions (recommended) 415*345 (W*H) (2.00/1.24mm lager than the actual cutout dimensions)
- Overall dimensions: 440*364*55 (W*H*D)
- Mounting method: support 75mm*75mm VESA mounting and front-flush mounting
- System support: support Android11/12/13、Linux QT/ Debian 11/Ubuntu-20.04、Tongxin UOS and OpenHarmony 4.0

SINSMART

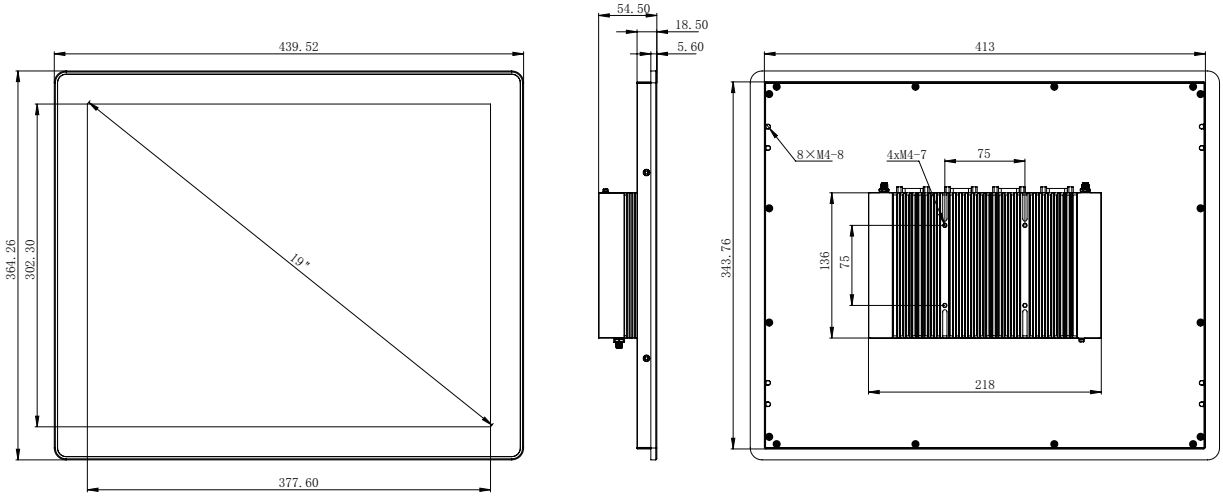
SPECIFICATION

SPECIFICATION PARAMETER

System Parameters	CPU	RK3568
	Frequency	Max base frequency 2.0GHz
	RAM	2G, support up to 8GB
	Storage	16G, support up to 32G、64G、128G
I/O Interfaces	Network	2x 10/100/1000M adaptive Ethernet RJ45 ports
	USB	1*USB3.0, 2*USB2.0
	Serial Ports	2*RS232； 2*RS232 / RS485
	Other Interfaces	1*HDMI, 1*TF Card, 1*SIM Card，1*AUDIO，1*DC IN
Physical Specifications	Dimensions(W*H*D)	440mm*364mm*55mm
	Cutout Dimensions(W*H)	415mm*345mm（2.00/1.24mm lager than the actual cutout dimensions）
	Net Weight	5.74kg
Operating System	Operating System	Support Android 11/12/13、Linux QT/Debian 11/Ubuntu-20.04、Tongxin UOS and OpenHarmony 4.0
Power Supply	Input Voltage	12VDC（Customizable wide voltage available）
	Max Power Consumption	20.7W
LCD Panel	Screen Type	19.0" Full HD TFT
	Resolution	1280*1024
	Maximum Colors	16.7MB
	Backlight	LED
	Backlight MTBF (hours)	30000hrs
	Pixel Pitch	0.294*0.294
	Luminance	250cd/m²
	Contrast Ratio	1000 : 1
	Viewing Angle	(L) 85 / (R) 85 / (T) 80 / (B) 80
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

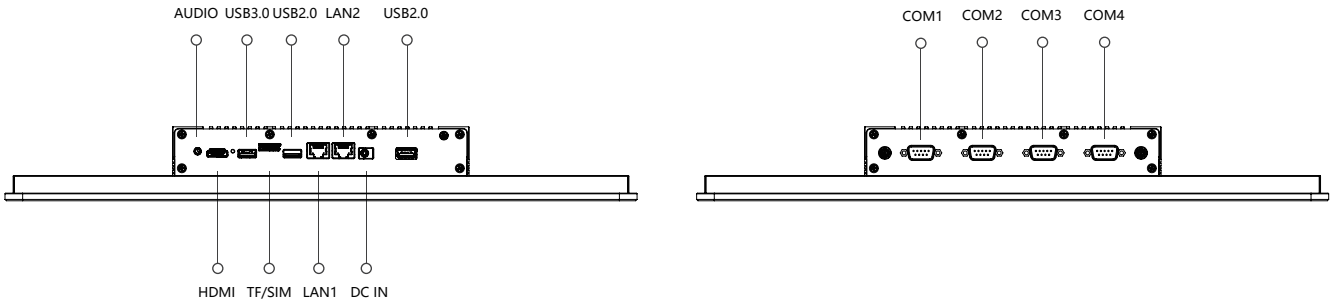
DIMENSION

DIMENSION FIGURE



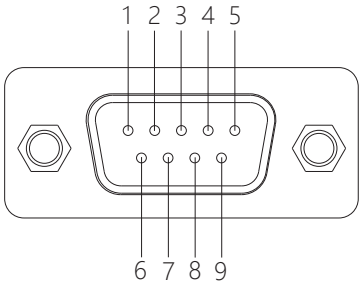
INTERFACE

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