TPC-DCS185HR2

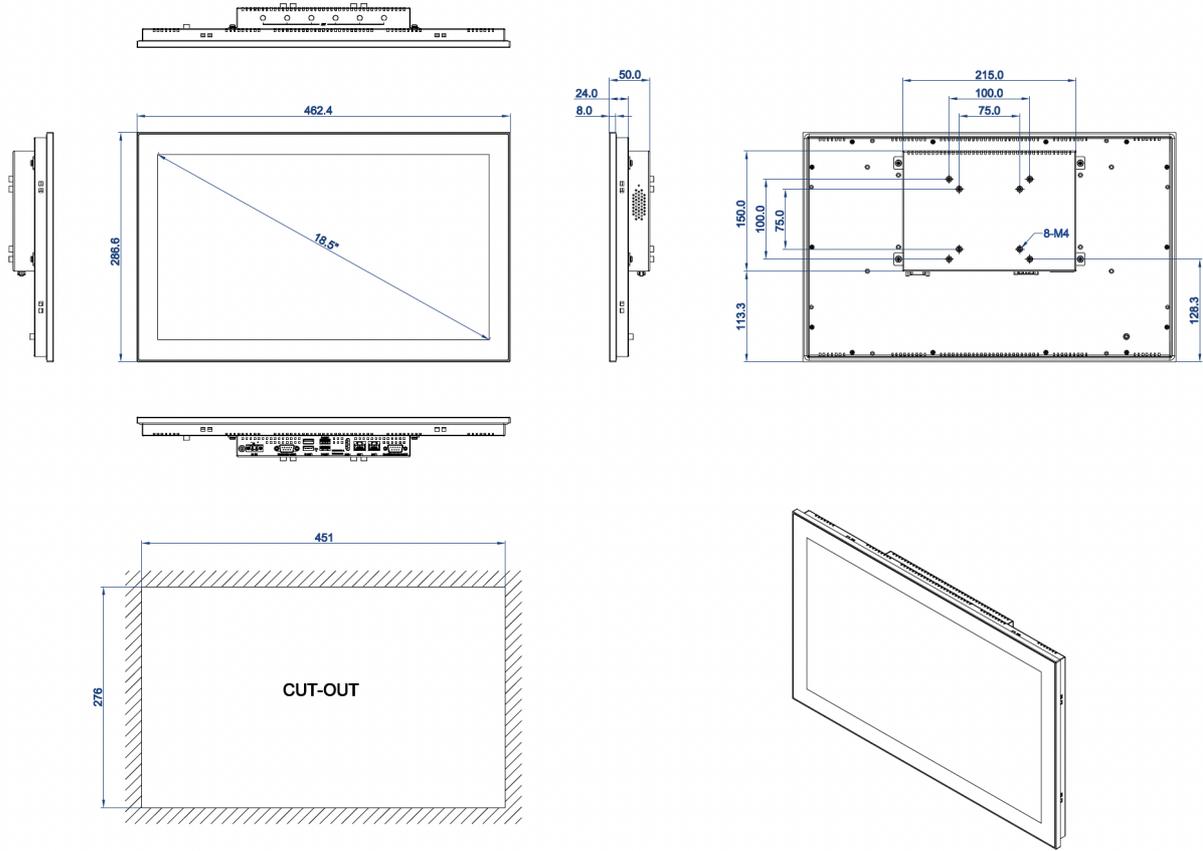18.5" Pcap. Panel PC with Rockchip RK3568

Version: 1.0

Features

- Widescreen 18.5" TFT LCD display, LED Backlit, Full HD 1920 *1080;
- ARM Rockchip RK3568, Quad-Core Cortex-A55, up to 2.0Ghz;
- 1* SDRAM LPDDR4X-3200MHz on board, 2GB/4GB/8GB options;
- On-board 16GB/32GB/64GB eMMC options, 1* TF Card slot;
- Multi-points (Max. up 10 points) Projective capacitive touch, EETI controller;
- Aluminum-magnesium alloy, anodized treatment, Modular designed;
- DC Terminal 12V power input, optional wide voltage DC 9~36V range;
- IO: 2*GLAN, 1*USB3.0, 3*USB2.0, 2*COM (DB9), 1*HDMI,1* SIM card slot;
- Fan-less & Slim design, Panel mount, VESA, Front IP65 protection.

Specification

Hardware & System		
	CPU	ARM Rockchip RK3568, Quad-core Cortex-A55, Clock speed up to 2.0Ghz
	Memory	SDRAM LPDDR4X-3200Mhz on board, 2GB/4GB/8GB options
	Storage	eMMC 5.1, 16GB/32GB/64GB options; 1* TF Card slot
	Display	1* HDMI (Type-A), Max. resolution up to 4096x2304 @60Hz
	Ethernet	2* Realtek GbE LAN Chip
	Wireless	Realtek Wireless module on-board, support Wi-Fi 2.4/5 Ghz by default
	Expansion slots	1* Mini-PCIe slot (for 4G/3G); 1* M.2 (NGFF) B-key 3052 slot (for 5G)
	OS	Android 11, Linux
IO interface	COM	2*RS232 (COM1 can jumper setting RS485; COM2 optional support RS485/GPIO)
	Ethernet	2* RJ45, 10/100/1000 Mbps
	Speaker	Optional
	USB	1* USB3.0/OTG, 3* USB2.0
	Power	1x 2pins, phenix terminal
	Other ports	1* Recovery Button
LCD Display	Size/Type	18.5" TFT LCD
	Resolution	1920 * 1080 (FHD)
	Brightness	350 nits
	Backlit & Lifetime	LED backlit & 50 000hours
	Display area	409.8 * 230.4
	View angle	85/85/85/85
Touchscreen	Type	Projective capacitive touchscreen
	Touch points	Multi points touch, max. up to 10 points
	Durability	>100 000 000 times
	Surface hardness	Mohs 6H
	Special treatment	Anti-fingerprint (AF)
Structure	Structure and surface	Magnesium-Aluminum alloy, sand blasting, anodized treatment
	Mount method	Panel mount, VESA 75/100
	Cooling system	Large area finned heat sink
	Overall dimension	462.4 * 296.5 * 50.0 (mm)
	Cut-out dimension	451 * 276 (mm)
	Net weight	5.5 KG
	IP protection	Front Panel IP65
Power & Environmental	Operating temp.	-20 ~ +60℃
	Storage temp.	-30 ~ +70℃
	Relative Humidity	10 ~ 95% @ 10C (non-condensation)
	Vibration	50 ~ 500 Hz, 1.5G, 0.15mm peak to peak
	Shock	10G/Peak (11 ms)
	Power input	DC 12V (Optional DC 9~36V)
	Power consumption	Around 25W
	EMC	CE/FCC Class A

DIMENSIONAL DRAWING:TPC-DCS185R2

Dimension

462.4

286.6

18.5"

50.0

24.0

8.0

215.0

100.0

75.0

150.0

100.0

75.0

8-M4

113.3

128.3

451

276

CUT-OUT

TAICENN
DATE:2023.10.10
REV:A   Unit:mm

DIMENSIONS IN MILLIMETERS

Ordering info.

Part no.	Description
TPC-DCS185HR2A	18.5", 1920 * 1080, Rockchip 3568, Pcap. touch, **2GB RAM+16GB eMMC**, 2*GLAN, 1*USB3.0, 3*USB2.0, 2*RS232, 1*HDMI, Wi-Fi, DC Terminal 12V, PSU
TPC-DCS185HR2B	18.5", 1920 * 1080, Rockchip 3568, Pcap. touch, **4GB RAM+32GB eMMC**, 2*GLAN, 1*USB3.0, 3*USB2.0, 2*RS232, 1*HDMI, **WiFi+BT**, DC Terminal 12V,
TPC-DCS185HR2H	18.5", 1920 * 1080, Rockchip 3568, Pcap. touch, **8GB RAM+64GB eMMC**, 2*GLAN, 1*USB3.0, 3*USB2.0, 2*RS232, 1*HDMI, Wi-Fi, DC Terminal 12V, PSU
TPC-DCS185HR2AW	18.5", 1920 * 1080, Rockchip 3568, Pcap. touch, 2GB RAM+16GB eMMC, 2*GLAN, 1*USB3.0, 3*USB2.0, 2*RS232, 1*HDMI, Wi-Fi, DC Terminal 9-36V
TPC-DCS185HR2BW	18.5", 1920 * 1080, Rockchip 3568, Pcap. touch, 4GB RAM+32GB eMMC, 2*GLAN, 1*USB3.0, 3*USB2.0, 2*RS232, 1*HDMI, WiFi+BT, DC Terminal 9-36V
TPC-DCS185HR2HW	18.5", 1920 * 1080, Rockchip 3568, Pcap. touch, 8GB RAM+64GB eMMC, 2*GLAN, 1*USB3.0, 3*USB2.0, 2*RS232, 1*HDMI, Wi-Fi, DC Terminal 9-36V

Packing List

■	1x Standard Product
■	1x 40W PSU (Power Supply)
■	1x Power cable & Plug
■	8x Panel mount metal clips

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The information in this specification is subject to change without notice.