

Komodo 2-R-18.5

18.5" WXGA Panel PC with Intel Alder Lake -U; Front IP66 rated; 2 RJ45, 4 USB, 1 HDMI, 1 DP, 3 COM, 1 SW; Resistive Touch; DC 9~36V; 2 M.2 & 1 Mini-PCIe slots.

Version: 3.0



Features:

- Modular & Fanless designed, aluminum-magnesium alloy;
- Intel 12th Gen. Alder Lake-U Core i3/i5/i7 processors;
- 18.5" TFT LCD Display, LED Backlit, WXGA 1366*768;
- High temp. 5-wires resistive touchscreen, EETI controller;
- DC terminal, wide 9~36 V input range;
- 2 RJ45, 2 USB3.1, 2 USB3.0, 3 COM, 1 HDMI, 1 DP, Audio;
- 1 USB type-C (USB3.1 & DP1.4a), 1 SW Remote Switch;
- Intel PTT TPM2.0, Support Windows 11 OS;
- Panel mount, VESA 75/100 mount, Front IP66 rated protection;
- Optional 2 M.2 and 1 Mini-PCIe expansion slots.

Specification



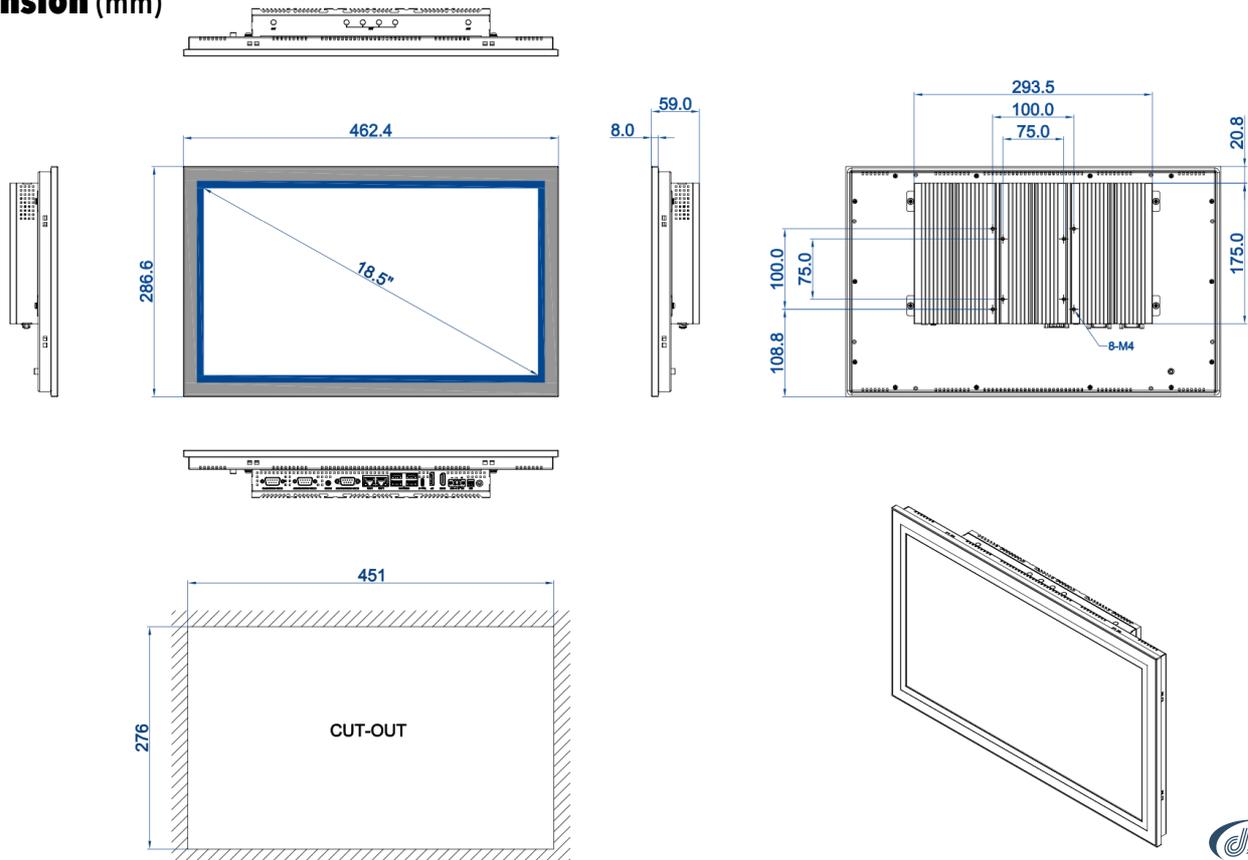
Hardware & System	BIOS CPU Graphic Memory Storage Network Audio Expansion Watch dog Operating System	SPI AMI EEI BIOS Intel 12 th Gen. Core i3-1215U, Core i5-1235U, Core i7-1255U Intel UHD/Iris Xe Graphic 2* SO-DIMM, Support DDR5-4800 MHz, Max. up to 64GB 1* M.2 2280 M-Key slot (PCIe x4 Gen IV, NVMe) SSD, 1* M.2 2280 M-Key slot (NVMe/SATA) SSD, 1* SATA3.0 SSD 1* Intel I226 (2.5GbE), 1* Intel I219 (GbE) Network chips, optional 3G/4G/5G/Wi-Fi/BT, Wi-Fi6 wireless On-board Realtek ACL 897 Audio controller 1* M.2 (NGFF) B-Key 3042/3052 slot, 1* M.2 E-Key 2230 slot, 1* Mini-PCIe slot, 1* SIM Card slot 0 ~ 256 seconds programmable Win10 IoT 2021 LTSC; Win10 (21H2), Win11(21H2 or later); Linux Kernel 5.17 or later
I/O Interface	Ethernet COM Audio USB Display Power	2 RJ45 COM1/2: RS232/RS485/RS422 (BIOS configured); COM3: RS232/GPIO Mic-in/Line-out (2 in 1, 3.5mm Jack) 2* USB3.1 (USB3.2 Gen2 x1, 10 Gbps), 2* USB3.0 (USB3.2 Gen1 x1, 5Gbps), 1* USB-C (USB3.1 & DP1.4a) 1* HDMI1.4 (Max. resolution to 4K@30Hz), 1* DP++ (Max. support 8K @30Hz) 1* 2 Pins, Phenix Terminal
LCD Display	Size/Type Resolution Brightness Backlit & Lifetime Display Area View Angle	18.5" TFT LCD Display 1366 * 768 (WXGA) 250 nits LED Backlit & 30K hours 409.80 * 230.40 (mm) 89/89/89/89
Touchscreen	Type Click Life Draw Life Surface Hardness Touch Controller Special Treatment	High temp. 5-wires precision resistive touchscreen 35 million times/250g 5 million times/250g MOHS 6H EETI PET film laminated (Flat Design)
Structure	Structure & Surface Cooling System Overall Dimension Cut-out Dimension Net Weight Mount Method Operating temp.	Magnesium-Aluminum alloy, sand blasting, anodized treated Large area finned heatsink (Fanless designed) 462.4 * 296.6 * 59.0 (mm) 451 * 276 (mm) 5.6 KG Panel mount, VESA 75/100 Mount 0 ~ + 50 (°C)



Power & Environmental	Storage temp.	-20 ~ + 60 (°C)
	Humidity	10 ~ 95% @ 10C (No condensation)
	Vibration	50 ~ 500 Hz, 1.5G, 0.15mm peak to peak
	Shock	10G/Peak (11 ms)
	Power input	Wide DC 9~36 V
	Power consumption	About 40W
	Certificate	CE/FCC/ROHS

DIMENSIONAL DRAWING:TPC-DRT185D

Dimension (mm)



DIMENSIONS IN MILLIMETERS

DATE:2024.09.26
REV:B Unit:mm

Ordering information

Part no.	Description
TPC-DRT185D1	18.5" LCD, WXGA 1366 *768, Intel Core i3-1215U, Resistive Touch, 2 RJ45, 2 USB3.1, 2 USB3.0, 1 USB-C, 1 HDMI, 1 DP, 3 COM, Audio, 1 SW, DC 9~36V, PSU
TPC-DRT185D2	18.5" LCD, WXGA 1366 *768, Intel Core i5-1235U, Resistive Touch, 2 RJ45, 2 USB3.1, 2 USB3.0, 1 USB-C, 1 HDMI, 1 DP, 3 COM, Audio, 1 SW, DC 9~36V, PSU
TPC-DRT185D3	18.5" LCD, WXGA 1366 *768, Intel Core i7-1255U, Resistive Touch, 2 RJ45, 2 USB3.1, 2 USB3.0, 1 USB-C, 1 HDMI, 1 DP, 3 COM, Audio, 1 SW, DC 9~36V, PSU

Optional Accessories	Description	Packing List
Memory	SO-DIMM, DDR5, 8GB/16GB/32GB/64GB	Standard TPC-DRT185D Panel PC Product 1 set
Storage	SSD: 128GB/256GB/512GB/1TB	PSU (90W Power Supply) 1 set
Wireless	Wi-Fi Module, with Antenna	Panel mount clips (Metal) 1 set (8 pieces)
	Wi-Fi Module with BT Integrated, With Antenna	Power Cable & Plug 1 set
	All Network 4G module, with Antenna	
	5G Network module, with Antenna	