

# Komodo 2-R-10.4

**10.4" XGA Panel PC with Intel Alder Lake -U; Front IP66 rated; 2 RJ45, 4 USB, 1 HDMI, 1 DP, 2 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 12<sup>th</sup> Gen. Alder Lake-U Core i3/i5/i7 processors;
- 10.4" TFT LCD Display, LED Backlit, XGA 1024\*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, 2 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



<b>Hardware &amp; System</b>	BIOS CPU Graphic Memory Storage Network Audio Expansion Watch dog Operating System	SPI AMI EET BIOS Intel 12 <sup>th</sup> 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, Auto-detected) 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
<b>I/O Interface</b>	Ethernet COM Audio USB Display Power	2 RJ45 COM1/2: RS232/RS485/RS422 (BIOS configured); COM2: Optional 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
<b>LCD Display</b>	Size/Type Resolution Brightness Backlit & Lifetime Display Area View Angle	10.4" TFT LCD Display 1024 * 768 (XGA) 350 nits LED Backlit & 30K hours 211.2 * 158.4 (mm) 80/80/80/80
<b>Touchscreen</b>	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)
<b>Structure</b>	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) 264.0 * 205.6 * 59.0 (mm) 253 * 195 (mm) 3.1 KG Panel mount, VESA 75/100 Mount -20 ~ + 70 (°C)



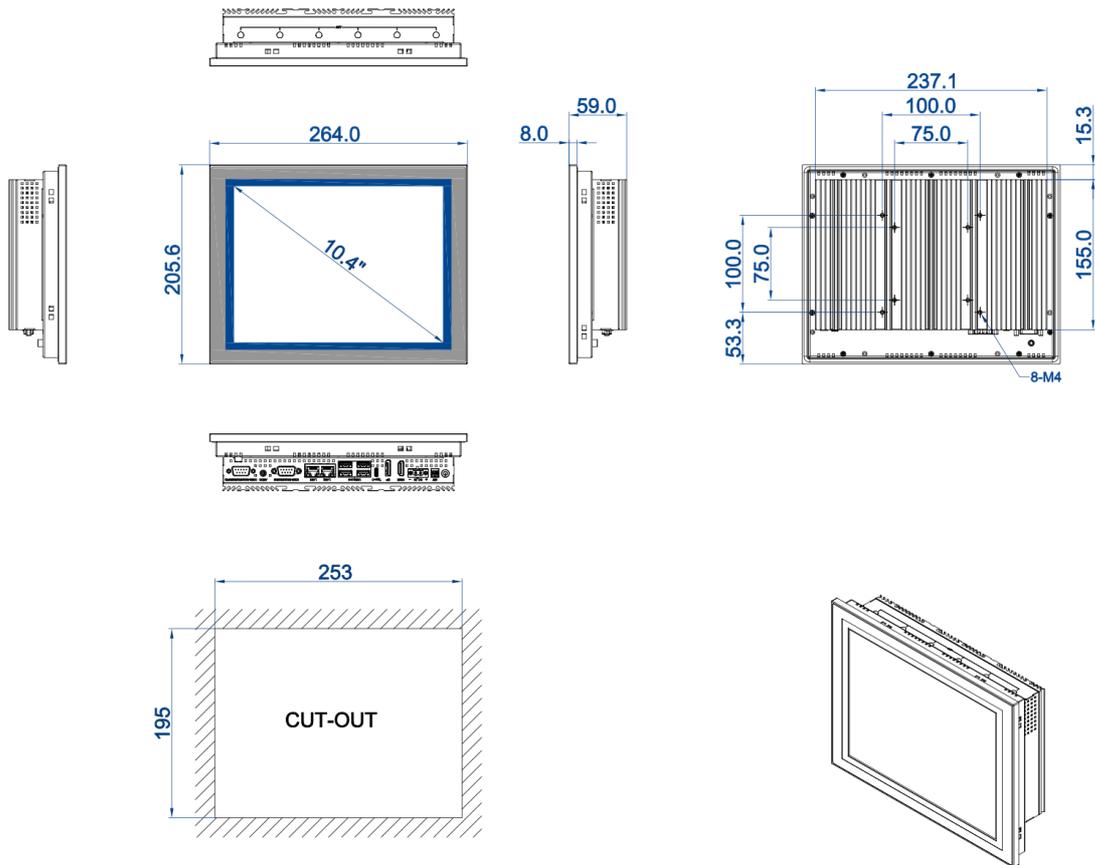
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## Power & Environmental

Storage temp.	-30 ~ + 70 (°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 35W
Certificate	CE/FCC/ROHS

DIMENSIONAL DRAWING:TPC-DRT104D

## Dimension (mm)



DIMENSIONS IN MILLIMETERS

DATE:2024.09.26  
REV:B Unit:mm

## Ordering information

Part no.	Description		
TPC-DRT104D1	10.4" LCD, XGA 1024 *768, Intel Core i3-1215U, Resistive Touch, 2 RJ45, 2 USB3.1, 2 USB3.0, 1 USB-C, 1 HDMI, 1 DP, 2 COM, Audio, 1 SW, DC 9~36V, PSU		
TPC-DRT104D2	10.4" LCD, XGA 1024 *768, Intel Core i5-1235U, Resistive Touch, 2 RJ45, 2 USB3.1, 2 USB3.0, 1 USB-C, 1 HDMI, 1 DP, 2 COM, Audio, 1 SW, DC 9~36V, PSU		
TPC-DRT104D3	10.4" LCD, XGA 1024 *768, Intel Core i7-1255U, Resistive Touch, 2 RJ45, 2 USB3.1, 2 USB3.0, 1 USB-C, 1 HDMI, 1 DP, 2 COM, Audio, 1 SW, DC 9~36V, PSU		
Optional Accessories	Description	Packing List	
Memory	SO-DIMM, DDR5, 8GB/16GB/32GB/64GB	Standard TPC-DRT104D Panel PC Product	1 set
Storage	SSD: 256GB/512GB/1TB/2TB	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		